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CONSUMPTION OF FUEL
FOR
PRODUCTION OF ELECTRIC ENERGY
1954

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CONSUMPTION OF FUEL
FOR PRODUCTION OF ELECTRIC ENERGY
1954

Fuel requirements of the thermal generating plants of electric utilities in the United States in 1954 amounted to some 118,385,000 tons of coal, 1,165,498,000 Mcf of gas and 66,745,000 barrels of oil. These totals compare with 115,897,000 tons of coal, 1,034,272,000 Mcf of gas, and 82,238,000 barrels of oil burned in 1953. Quantities of both coal and gas burned set new records during the year. The 1954 use of coal increased 2.1 percent over the 1953 total of 115,897,000 tons which was the previous record. Displaying a larger percentage gain than coal, the 1954 volume of gas consumed was up 12.7 percent from the 1953 total which was also previously the maximum of record. The 1954 combustion of oil registered a decline of 18.8 percent from the record of 82,238,000 barrels burned in 1953.

Regional details as to percentage changes in use of fuels in 1954 compared with 1953 are as follows:

1954 ELECTRIC UTILITY FUEL USE BY REGIONS
AND PERCENT CHANGE FROM 1953

REGION	FUEL CONSUMED, 1954			PERCENT CHANGE 1954/1953		
	COAL (Short Tons)	GAS (Mcf)	OIL (42 Gal.Bbls.)	Coal	Gas	Oil
New England	3,596,154	5,941,454	15,762,377	+ 5.7	+1,269.3	- 22.1
Middle Atlantic	26,621,171	60,506,306	17,608,122	- 6.1	+ 5.0	- 11.3
East North Central	47,895,965	79,317,698	1,208,759	- 1.7	+ 5.2	- 7.4
West North Central	7,474,336	181,453,187	2,544,437	+ 4.6	+ 7.6	- 5.5
South Atlantic	18,357,236	64,904,925	16,451,737	+ 2.1	- 4.4	- 5.0
East South Central	13,462,273	76,394,581	43,770	+ 48.6	+ 8.2	+ 33.7
West South Central	23,223	436,783,294	444,340	- 82.7	+ 6.2	- 23.0
Mountain	954,313	81,445,501	1,361,901	- 12.2	+ 25.6	- 28.2
Pacific	-	178,751,414	11,319,311	-100.0	+ 52.1	- 38.3
United States	118,384,671	1,165,498,360	66,744,754	+ 2.1	+ 12.7	- 18.8

Indicating continuing improvement in efficiency of operations in 1954, the net generation of some 364,618,000,000 kilowatt-hours by thermal plants increased 8.1 percent over 1953, while the overall 1954 fuel requirement, including actual tons of coal and estimated coal equivalent tonnages for gas and oil, was only 1.1 percent more than in 1953. However, both the 1954 total fuel requirement and thermal-plant output reached new maximums. Undoubtedly, the outstanding factor in improved total industry fuel efficiency was the net addition of some 9,867,000 kilowatts of new steam-electric capacity and 57,000 kilowatts of new internal combustion generating capacity during the year. A full year's operation of the some 7.6 million kilowatts of thermal capacity added during the previous year was also a factor in the improved fuel efficiency.

On a national basis, coal continued in its usual leading position as a source of heat energy for electric generation being followed in order by gas and oil. During 1954 coal accounted for 65.6 percent of total fuel generation, compared with 64.9 percent in 1953. Gas also gained in importance as a heat source, accounting for 25.7 percent of total in 1954 compared with 23.6 percent in the preceding year. Oil declined from 11.4 percent of total in 1953 to 8.6 percent in 1954. Additional small amounts of energy from wood and waste fuels made up the totals in each year. During 1954 some 239.1 billion kilowatt-hours were produced from combustion of coal, 93.7 billion kilowatt-hours from gas, and 31.5 billion kilowatt-hours from oil.

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The primary sources of energy employed for electric energy production in 1954 by the electric utility industry are given in Table 1 below. Fuel quantities are stated, and production from each fuel and from water power is shown, both in terms of kilowatt-hours and in relation to the total output from all sources. Corresponding 1953 data are shown for comparison.

TABLE 1 - PRIMARY ENERGY SOURCES, AND ELECTRIC UTILITY PRODUCTION UNITED STATES, 1954 AND 1953

ENERGY SOURCE	FUEL CONSUMED COAL - Short Tons GAS - Mcf OIL - 42 Gal. Bbls.		ELECTRIC ENERGY PRODUCED THOUSANDS OF KILOWATT-HOURS		PERCENT OF TOTAL	
	1954	1953	1954	1953	1954	1953
Bituminous Coal[a]	115,218,566	112,283,255	234,337,539	213,676,882	49.68	48.27
Anthracite	3,166,105	3,613,949	4,808,427	5,169,443	1.02	1.17
ALL COAL	118,384,671	115,897,204	239,145,966	218,846,325	50.70	49.44
Gas	1,165,498,360	1,034,272,333	93,688,271	79,790,975	19.86	18.02
Oil	66,744,754	82,237,712	31,520,175	38,404,449	6.68	8.68
Wood and Wastes			263,434	389,418	0.06	0.09
TOTAL FUEL			364,617,846	337,431,167	77.30	76.23
Hydro			107,068,508	105,233,348	22.70	23.77
TOTAL ALL SOURCES			471,686,354	442,664,515	100.00	100.00

---

[a] Includes lignite.

Dependence of electric energy production on the different fuels and water power in the major geographic sections of the country may be observed in Figure 1, following, which indicates 1954 conditions. Most dependent on thermal energy were the West South Central and East North Central regions where more than 95 percent of electric utility generation was produced in fuel-burning stations. Gas was the predominant fuel in the former and coal in the latter. From 75 to 90 percent of the electric energy output in the New England, Middle Atlantic, South Atlantic, and West North Central divisions came from fuel. Coal was the major fuel in both the Middle Atlantic and South Atlantic areas. Coal was also the major fuel in New England where oil was an almost equally important energy source. Gas and coal, in order, were the most important fuels in the West North Central region.

In the East South Central region, where some 74 percent of the electric supply was fuel-produced, coal was the basic fuel. As shown in the chart, water power was also an important energy source in this area.

Water power was the source of more than two-thirds of electric production in the Mountain and Pacific regions. Gas and oil were largely the sources of thermally generated electric energy in the Pacific region, while gas was the principal fuel in the Mountain states.

Primary Energy Sources of Electric Utility Production By Geographic Divisions - 1954

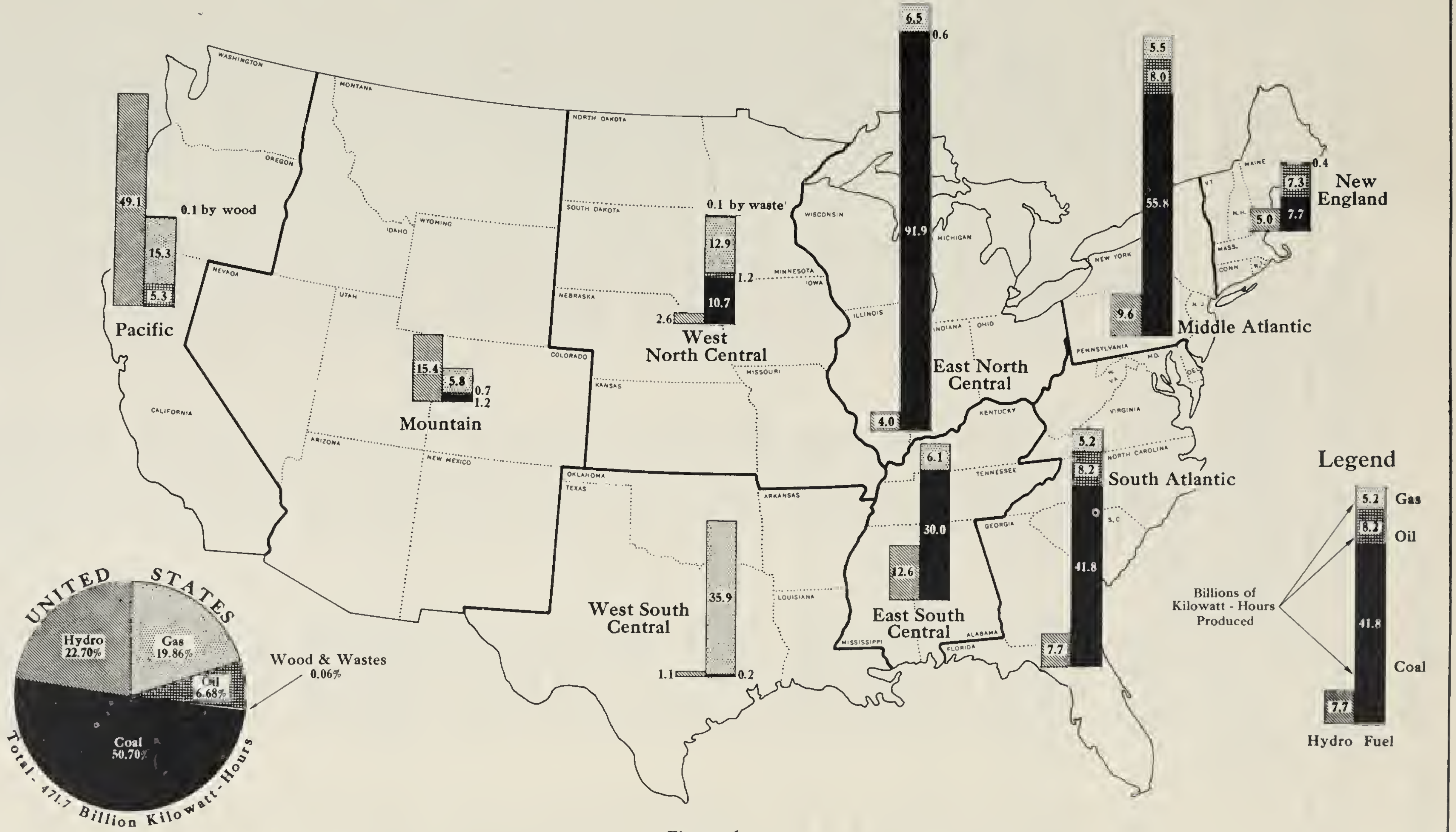

Figure 1

ANNUAL FUEL REQUIREMENTS

Annual consumption figures for the three major kinds of fuel used in electric utility generation are shown in Table 2 which gives the United States totals for the period, 1920 - 1954, inclusive. The year 1920 initiated this annual series.

TABLE 2 - ANNUAL CONSUMPTION OF FUELS BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY, UNITED STATES, 1920 - 1954

	COAL (Short Tons)			OIL	GAS
YEAR	ALL COAL	BITUMINOUS[a]	ANTHRACITE	(42-Gal. Bbls.)	(Mcf)
1954	118,384,671	115,218,566	3,166,105	66,744,754	1,165,498,360
1953	115,897,204	112,283,255	3,613,949	82,237,712	1,034,272,333
1952	107,071,241	103,309,339	3,761,902	67,218,426	910,116,741
1951	105,768,006	101,898,494	3,869,512	63,944,724	763,898,241
1950	91,870,770	88,261,907	3,608,863	75,420,490	628,918,834
1949	83,963,420	80,609,563	3,353,857	66,301,241	550,121,090
1948	99,586,341	95,620,376	3,965,965	42,644,869	478,097,093
1947	89,530,590	86,008,548	3,522,042	45,308,932	373,053,905
1946	72,196,730	68,743,404	3,453,326	36,315,871	306,941,565
1945	74,724,956	71,603,303	3,121,653	20,228,215	326,211,969
1944	80,083,539	76,656,060	3,427,479	20,862,171	358,783,574
1943	77,300,574	74,035,671	3,264,903	17,985,593	301,936,871
1942	66,256,667	63,471,865	2,784,802	15,235,851	235,208,023
1941	62,667,734	59,887,928	2,779,806	20,077,128	201,763,432
1940	51,473,881	49,126,113	2,347,768	16,325,122	180,096,185
1939	44,538,529	42,303,500	2,235,029	17,138,911	188,876,692
1938	38,393,533	36,439,612	1,953,921	12,942,387	165,504,219
1937	42,929,609	41,045,382	1,884,227	13,829,222	169,127,305
1936	40,085,035	38,103,798	1,981,237	14,078,929	154,084,268
1935	32,714,761	30,936,118	1,778,643	11,256,565	124,117,769
1934	31,413,879	29,706,521	1,707,358	10,258,241	127,071,042
1933	28,542,854	27,087,875	1,454,979	9,606,208	101,984,743
1932	28,055,962	26,591,117	1,464,845	7,582,625	107,102,791
1931	36,115,088	34,195,996	1,919,092	7,922,035	138,458,318
1930	40,277,989	38,129,753	2,148,236	8,804,530	119,552,711
1929	41,827,358	39,729,278	2,098,080	9,782,920	112,353,453
1928	38,042,077	36,162,716	1,879,361	6,817,794	77,154,508
1927	38,198,616	36,260,205	1,938,411	6,552,206	62,485,022
1926	36,841,930	34,822,761	2,019,169	8,999,424	52,646,798
1925	35,615,365	33,803,154	1,812,211	9,793,922	45,471,839
1924	32,790,334	30,899,085	1,891,249	16,059,942	47,301,272
1923	33,636,380	31,695,787	1,940,593	13,925,308	29,340,456
1922	29,192,800	27,606,148	1,586,652	12,442,935	24,995,897
1921	26,603,972	24,830,460	1,773,512	11,504,999	21,700,882
1920	31,639,765	30,099,463	1,540,302	12,689,634	22,136,176

[a] Includes lignite.

FEDERAL POWER COMMISSION

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December 1955

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ANNUAL FUEL RATES

The average coal rate for 1954, based on the total amount of coal burned and the corresponding net generation derived from coal, was 0.99 pounds per kilowatt-hour. This rate is the lowest national average coal rate on record, bettering the previous low of 1.06 pounds per kilowatt-hour obtained in 1953 and marking the first year in history for which the coal rate has been below one pound per kilowatt-hour. The rate for bituminous coal only for 1954 was 0.97 pounds per kilowatt-hour compared with 1.04 pounds in 1953.

The 1954 rate for gas was 12.4 cubic feet per kilowatt-hour compared with 13.0 cubic feet in 1953, while the average oil rate decreased to 0.089 gallons per kilowatt-hour in 1954 from 0.090 gallons per kilowatt-hour in 1953.

The net addition of 9,924,000 kilowatts of new thermal generating capacity in 1954, and benefits of a full year's operation of new capacity installations during 1953 are important elements in this pronounced improvement in coal rate as well as in the improved rates for gas and oil.

The progressive decline in annual coal rate over the 1920-1954 period is shown in Figure 2, below.

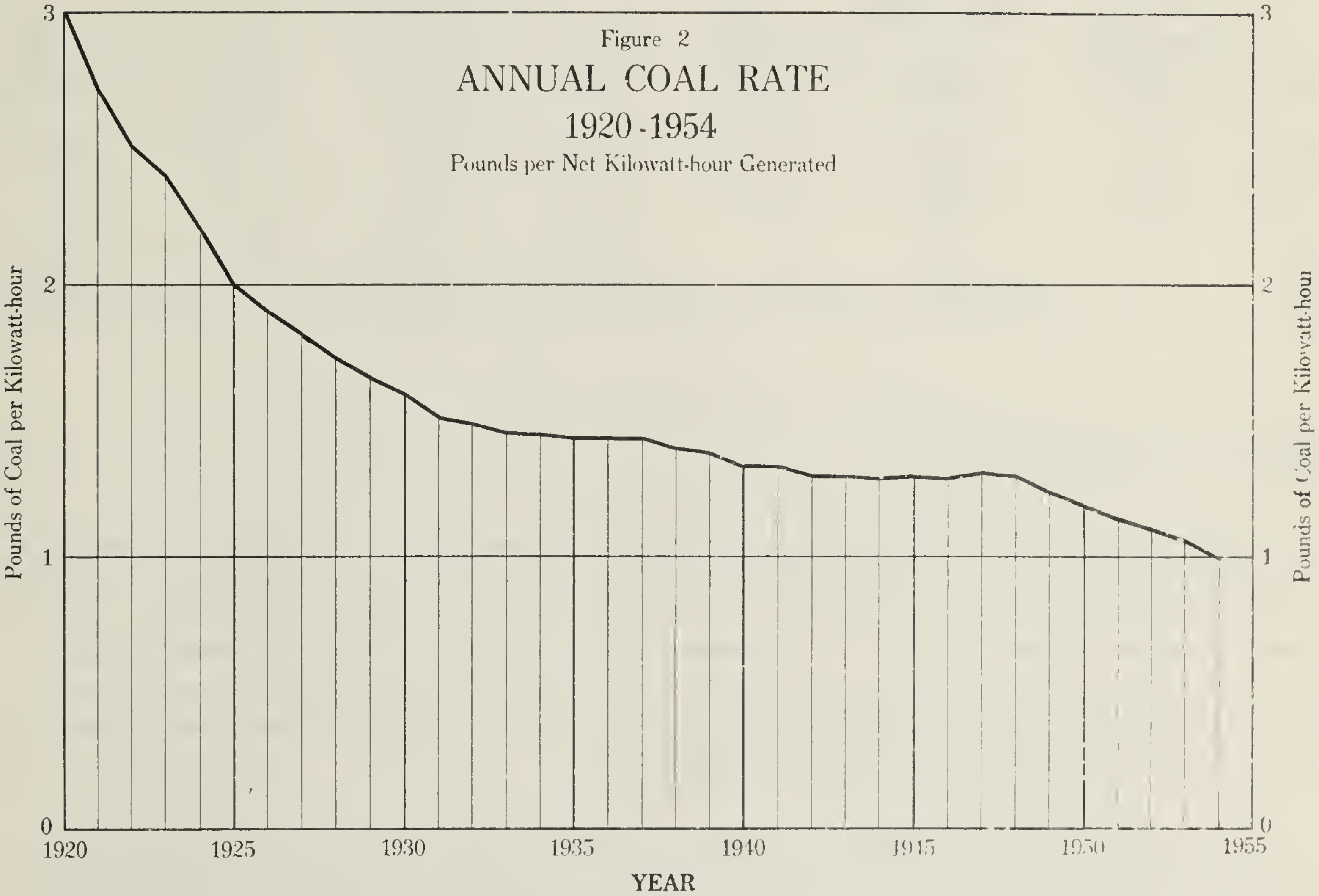


Table 3, on page 6, lists the annual coal rates for the period, 1920-1954, and the annual rates for gas and oil for the years 1945 through 1954. Because of the revision in the basis of compilation beginning with 1945, oil and gas rates on a strictly comparable basis are not readily available for the earlier years. These rates represent national averages for the total electric utility industry including both the privately-owned and publicly-owned segments. Regional and state rates for 1954 appear in the detailed Tables A through E of this report.

ANNUAL FUEL RATES (Cont'd)

TABLE 3 - ANNUAL FUEL RATES

(Fuel Required Per Net Kilowatt-hour Produced)

COAL RATE, 1920 - 1954

YEAR	POUNDS PER KWH	YEAR	POUNDS PER KWH	YEAR	POUNDS PER KWH	YEAR	POUNDS PER KWH
1954	0.99	1945	1.30	1936	1.44	1927	1.82
1953	1.06	1944	1.29	1935	1.44	1926	1.90
1952	1.10	1943	1.30	1934	1.45	1925	2.0
1951	1.14	1942	1.30	1933	1.46	1924	2.2
1950	1.19	1941	1.34	1932	1.49	1923	2.4
1949	1.24	1940	1.34	1931	1.52	1922	2.5
1948	1.30	1939	1.38	1930	1.60	1921	2.7
1947	1.31	1938	1.40	1929	1.66	1920	3.0
1946	1.29	1937	1.44	1928	1.73		

GAS RATE, 1945 - 1954

YEAR	CUBIC FEET PER KWH	YEAR	CUBIC FEET PER KWH
1954	12.4	1949	14.9
1953	13.0	1948	15.9
1952	13.3	1947	16.2
1951	13.5	1946	16.3
1950	14.1	1945	16.5

OIL RATE, 1945 - 1954

YEAR	GALLONS PER KWH	YEAR	GALLONS PER KWH
1954	0.089	1949	0.098
1953	0.090	1948	0.107
1952	0.095	1947	0.112
1951	0.094	1946	0.108
1950	0.094	1945	0.109

ACTUAL AND EQUIVALENT TONS

Information is frequently requested which will show the electric utility industry's full requirements of coal, oil, and gas expressed as one total including actual tons of coal and equivalent tons for the oil and gas burned. Table 4, which gives this quantity annually for the 1920-1954 period, thus includes the actual tonnage of coal required for combustion and the computed tonnage equivalent for oil and gas. The related kilowatt-hour generation each year is shown also. Both the tonnage and kilowatt-hour data exclude amounts for wood and waste fuels.

In Table 4, amounts included as equivalents for the 1938-1954 period were determined on the basis of generation by these fuels as related to the generation by coal. Inasmuch as separate generation data for each fuel were not available prior to 1938, equivalents for the earlier years were arrived at by assigning approximate unit heat values to the coal, oil, and gas respectively and then expressing the aggregate heat value for oil and gas in terms of tons of coal.

TABLE 4 - ELECTRIC UTILITY CONSUMPTION OF COAL AND COAL EQUIVALENT OF OIL AND GAS
1920 - 1954

YEAR	TOTAL COAL AND EQUIVALENT (Short Tons)	CORRESPONDING NET GENERATION[a] (1000 KWH)
1954	180,366,735	364,354,412
1953	178,491,443	337,041,749
1952	160,872,307	293,639,515
1951	154,497,879	270,531,451
1950	138,420,599	232,813,441
1949	124,574,132	200,965,261
1948	130,121,913	199,795,873
1947	115,672,417	176,982,715
1946	93,471,419	144,555,407
1945	92,641,901	142,331,104
1944	99,250,520	153,867,569
1943	93,274,914	143,785,367
1942	79,075,132	121,584,578
1941	75,699,849	113,272,492
1940	62,942,344	93,962,747
1939	57,598,037	83,627,710
1938	48,559,770	69,255,364
1937	53,559,609	74,501,856
1936	50,144,035	69,823,024
1935	40,796,761	56,688,508
1934	39,366,879	54,417,880
1933	35,273,854	48,170,167
1932	34,488,962	46,421,716
1931	43,954,088	58,014,025
1930	47,544,989	59,582,842
1929	49,039,358	59,154,239
1928	43,020,077	49,621,527
1927	42,491,616	46,659,959
1926	41,341,930	43,471,619
1925	40,014,365	39,442,625
1924	38,855,334	34,963,452
1923	38,404,380	32,088,103
1922	33,401,800	26,561,006
1921	30,435,972	22,343,460
1920	35,790,765	23,494,710

[a] Excludes generation by wood and waste fuels.

ENERGY SOURCES AND ELECTRIC ENERGY PRODUCTION: 1920-1954 TREND

A 1920-1954 review of the primary sources of energy utilized by the electric utilities in supplying the kilowatt-hour requirements of their customers is afforded by Figure 3. Total annual generation, total fuel generation, and hydro generation for the complete period are summations of reported quantities. Separate generation amounts corresponding with each type of fuel for the years 1938 through 1954 are also, in general, summarized from reported data. The separate fuel generation figures for 1937 and earlier years are approximations supplied in the absence of reported information.

Manyfold increases in kilowatt-hour production from each primary energy source over the 1920-1954 period may be observed in Figure 3. Changes in the proportions of total energy provided by the principal sources may also be observed by reference to the percentage chart. Perhaps the most significant such change has been the declining proportion of generation by hydro plants and the resultant greater reliance on fuel-burning stations. In 1954, hydro generation was only 22.70 percent of total. This was the lowest proportion of record, comparing with the previous record low of 23.77 percent of total in 1953 and an average of 31.36 percent for the 35-year period beginning with 1920. Conversely the proportion of electric energy from fuels has trended higher since its minimum of 58.6 percent of total in the depression year 1932, reaching the new high at 77.30 percent of total in 1954 compared with 76.23 percent a year earlier.

Another notable trend which continues to be evident in Figure 3 is the increasing proportion of kilowatt-hour output derived from use of gas. The enlarging consumption of gas as boiler and engine fuel for electric power generation has been marked in the past few years. In fact, within only five years the annual use of this fuel has more than doubled.

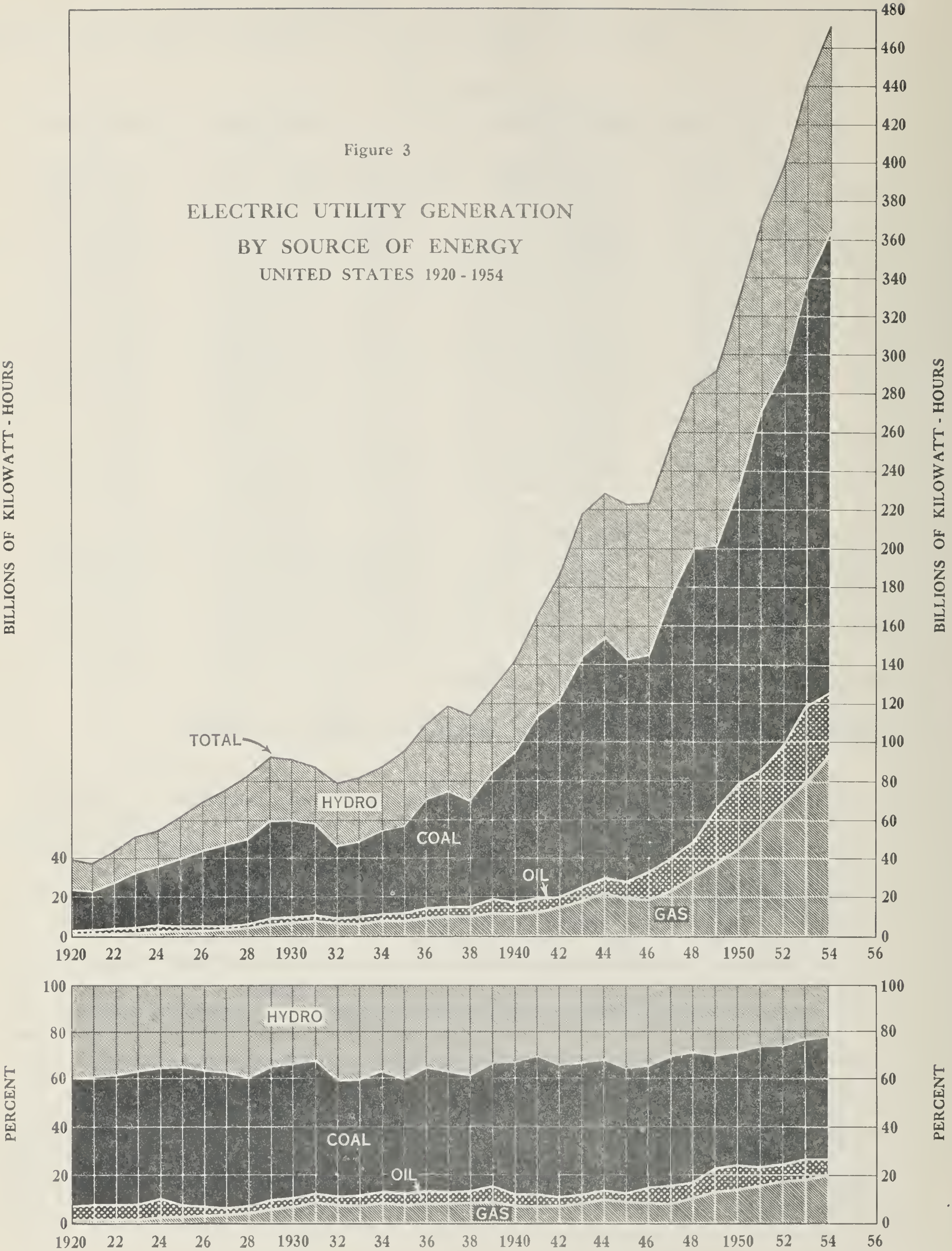


Figure 3

ELECTRIC UTILITY GENERATION
BY SOURCE OF ENERGY
UNITED STATES 1920 - 1954

PERCENT OF TOTAL GENERATION
BY SOURCE OF ENERGY

Generation by Coal, Oil, and Gas prior to 1938 approximated. Minor amounts by Wood and Waste Fuels included with Coal.

Table 5 gives the distributed kilowatt-hour generation quantities starting with 1920.

TABLE 5 - ELECTRIC ENERGY PRODUCTION BY SOURCE[a]
1920 - 1954
(Billions of Kilowatt-hours)

		FUEL					
YEAR	TOTAL	TOTAL FUEL	COAL	OIL	GAS	WOOD AND WASTES	HYDRO
1954	471.7	364.6	239.1	31.5	93.7	0.3	107.1
1953	442.7	337.5	218.9	38.4	79.8	0.4	105.2
1952	399.2	294.1	195.4	29.7	68.5	0.5	105.1
1951	370.7	270.9	185.2	28.7	56.6	0.4	99.8
1950	329.1	233.2	154.5	33.7	44.6	0.4	95.9
1949	291.1	201.4	135.5	28.5	37.0	0.4	89.7
1948	282.7	200.2	152.9	16.8	30.1	0.4	82.5
1947	255.7	177.3	137.0	16.9	23.1	0.3	78.4
1946	223.2	144.8	111.7	14.1	18.8	0.2	78.4
1945	222.5	142.5	114.8	7.8	19.7	0.2	80.0
1944	228.2	154.2	124.1	8.1	21.6	0.4	74.0
1943	217.7	144.1	119.2	6.8	17.8	0.3	73.6
1942	186.0	122.1	101.9	5.6	14.1	0.5	63.9
1941	164.8	113.9	93.8	7.5	12.0	0.6	50.9
1940	141.8	94.5	76.8	6.2	10.9	0.6	47.3
1939	127.6	84.1	64.7	7.3	11.6	0.5	43.5
1938	113.8	69.5	54.7	4.8	9.7	0.3	44.3
1937	118.9	74.9	59.7	4.9	9.9	0.4	44.0
1936	109.3	70.2	55.8	5.0	9.0	0.4	39.1
1935	95.3	56.9	45.4	4.0	7.3	0.2	38.4
1934	87.3	54.6	43.4	3.6	7.4	0.2	32.7
1933	81.7	48.3	39.0	3.3	5.9	0.1	33.4
1932	79.4	46.5	37.7	2.6	6.1	0.1	32.9
1931	87.3	58.3	47.7	2.6	7.7	0.3	29.0
1930	91.1	59.9	50.5	2.8	6.3	0.3	31.2
1929	92.2	59.5	50.4	3.0	5.7	0.4	32.7
1928	82.8	49.9	43.9	2.0	3.7	0.3	32.9
1927	75.4	46.9	41.9	1.8	2.9	0.3	28.5
1926	69.4	43.8	38.8	2.4	2.3	0.3	25.6
1925	61.5	39.7	35.1	2.5	1.9	0.2	21.8
1924	54.7	35.2	29.5	3.7	1.8	0.2	19.5
1923	51.2	32.3	28.1	3.0	1.0	0.2	18.9
1922	43.6	26.7	23.2	2.5	0.8	0.2	16.9
1921	37.2	22.5	19.5	2.2	0.7	0.1	14.7
1920	39.4	23.6	20.8	2.1	0.6	0.1	15.8

[a] Distribution to different fuels prior to 1938 approximated.

ANNUAL FUEL CONSUMPTION BY STATES - 1954 AND 1953

Table 6 on Page 10 presents individual state and regional totals of the 1954 use of each fuel in comparison with the corresponding 1953 requirements.

TABLE 6 - CONSUMPTION OF FUEL BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY BY STATES AND KIND OF FUEL - 1954

(With Comparative 1953 Data)

DIVISION AND STATE	COAL[a] (Short Tons)		OIL (42 Gal. Barrels)		GAS (Mcf)	
	1954	1953	1954	1953	1954	1953
UNITED STATES	118,384,671	115,897,204	66,744,754	82,237,712	1,165,498,360	1,034,272,333
New England	3,596,154	3,403,366	15,762,377	20,226,321	5,941,454	433,910
Middle Atlantic	26,621,171	28,358,810	17,608,122	19,848,233	60,506,306	57,631,936
East North Central	47,895,965	48,731,593	1,208,759	1,305,011	79,317,698	75,397,304
West North Central	7,474,336	7,142,357	2,544,437	2,693,774	181,453,187	168,605,264
South Atlantic	18,357,236	17,980,194	16,451,737	17,316,475	64,904,925	67,884,143
East South Central	13,462,273	9,057,945	43,770	32,738	76,394,581	70,619,122
West South Central	23,223	134,016	444,340	577,261	436,783,294	411,311,017
Mountain	954,313	1,086,353	1,361,901	1,897,583	81,445,501	64,830,199
Pacific	-	2,570	11,319,311	18,340,316	178,751,414	117,559,438
New England						
Maine	696	708	1,053,577	1,509,958	-	-
New Hampshire	136	13,278	1,227,467	1,457,376	-	-
Vermont	25,959	168	84,914	189,383	-	-
Massachusetts	1,448,381	1,427,289	9,177,256	11,159,118	5,936,271	433,910
Rhode Island	253,388	195,860	1,651,358	2,439,832	5,183	-
Connecticut	1,867,594	1,766,063	2,567,805	3,470,654	-	-
Middle Atlantic						
New York	9,893,026	10,892,874	8,689,776	8,913,003	29,748,325	30,563,696
New Jersey	2,757,890	2,609,154	7,201,136	9,149,401	15,292,632	17,204,580
Pennsylvania	13,970,255	14,856,782	1,717,210	1,785,829	15,465,349	9,863,660
East North Central						
Ohio	13,870,848	14,452,865	177,609	188,377	2,126,690	3,514,592
Indiana	7,303,719	7,755,378	209,051	187,781	4,343,007	4,780,022
Illinois	15,071,957	14,377,691	265,208	281,946	72,217,870	66,472,527
Michigan	7,946,133	8,418,570	459,799	496,156	425,562	366,404
Wisconsin	3,703,308	3,727,089	97,092	150,751	204,569	263,759
West North Central						
Minnesota	1,694,345	1,618,647	495,146	538,616	30,397,656	30,535,915
Iowa	1,441,185	1,490,866	481,964	556,884	39,495,303	34,674,311
Missouri	2,232,397	1,903,248	582,280	618,503	24,835,209	23,506,369
North Dakota	1,193,254	1,100,085	41,953	50,424	207,873	166,554
South Dakota	292,180	291,684	174,355	205,379	4,321,571	4,143,548
Nebraska	176,779	270,820	158,251	159,468	22,532,936	20,517,381
Kansas	444,196	467,007	610,488	564,500	59,662,639	55,061,186
South Atlantic						
Delaware	333,110	386,340	50,203	62,578	1,056,714	-
Maryland	1,965,682	2,092,984	116,313	134,969	-	-
District of Columbia	753,295	822,242	18,105	19,811	-	-
Virginia	3,269,342	3,291,005	73,092	502,073	675,999	492,029
West Virginia	5,694,413	6,079,528	19,194	96,023	646,670	89,131
North Carolina	4,161,293	4,035,277	141,446	188,269	-	-
South Carolina	1,020,433	802,089	198,298	1,351,673	10,876,952	5,518,421
Georgia	969,335	370,267	527.745	1,059,414	43,272,474	52,863,650
Florida	190,333	100,462	15,306,741	13,901,665	8,376,116	8,920,912
East South Central						
Kentucky	4,660,015	2,814,206	8,150	11,930	9,202,896	10,749,835
Tennessee	4,801,620	3,462,995	3,744	4,037	8,175,924	7,483,669
Alabama	3,998,590	2,780,274	2,247	1,015	21,846,867	22,532,008
Mississippi	2,048	470	29,629	15,756	37,168,894	29,853,610
West South Central						
Arkansas	-	3,600	78,431	81,596	47,145,578	34,451,614
Louisiana	-	-	122,608	145,169	69,661,857	73,649,482
Oklahoma	23,223	130,416	62,299	65,077	62,824,766	51,545,007
Texas	-	-	181,002	285,419	257,151,093	251,664,914
Mountain						
Montana	-	-	26,594	431,108	603,631	1,244,442
Idaho	-	-	476	732	-	-
Wyoming	278,312	276,068	22,937	21,413	674,601	760,247
Colorado	400,749	421,474	138,088	154,579	33,918,395	28,915,251
New Mexico	26,560	65,141	86,501	92,398	20,659,183	18,840,694
Arizona	-	-	39,314	46,024	19,316,426	14,560,344
Utah	248,692	323,670	1,018,753	1,124,561	6,273,154	508,928
Nevada	-	-	29,238	26,768	111	293
Pacific						
Washington	-	-	18,731	398,242	-	-
Oregon	-	2,570	3,641	229,776	-	-
California	-	-	11,296,939	17,712,298	178,751,414	117,559,438

[a] Includes bituminous, anthracite and lignite. Separate information available in detailed tables.

MONTHLY CONSUMPTION OF FUELS

Table 7, below, presents United States totals of the monthly consumption of coal, gas, and oil by electric utility power plants of the country in producing electric energy, for the ten years 1945 through 1954. The year 1945 is the earliest for which strictly comparable monthly fuel consumption summaries are available.

TABLE 7-MONTHLY CONSUMPTION OF FUEL
BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY
UNITED STATES, 1945-1954

MONTH	COAL (Short Tons)	OIL (42 Gal. 8bls.)	GAS (Mcf)	COAL (Short Tons)	OIL (42 Gal. Bbls.)	GAS (Mcf)
		1954			1953	
January	10,906,913	8,313,143	67,416,929	10,502,420	7,684,587	59,984,914
February	9,008,288	5,674,541	76,085,644	9,141,670	6,782,583	57,970,112
March	9,907,368	6,465,824	78,236,472	9,423,402	8,094,234	70,497,518
April	8,662,693	4,764,499	91,548,938	8,908,082	7,149,716	76,686,949
May	8,684,093	4,232,883	94,620,312	8,590,961	6,075,242	87,716,607
June	9,294,252	4,287,023	108,310,458	9,065,083	6,111,312	105,269,613
July	9,412,586	4,443,885	128,355,815	9,588,612	6,337,674	109,738,969
August	9,840,870	4,842,296	130,511,517	9,706,403	6,537,254	113,196,177
September	9,720,202	4,902,670	118,567,371	9,667,967	6,158,362	105,136,838
October	10,336,032	5,310,386	108,596,810	10,224,566	6,780,267	96,555,554
November	10,699,256	5,820.393	88,396,946	10,193,234	6,907,410	80,575,254
December	11,912,118	7,687,211	74,851,148	10,884,804	7,619,071	70,943,828
Year	118,384,671	66,744,754	1,165,498,360	115,897,204	82,237,712	1,034,272,333
		1952			1951	
January	9,864,635	6,074,400	52,241,621	9,606,628	6,439,884	43,477,127
February	8,734,221	4,779,353	54,744,264	8,573,001	5,554,942	40,240,100
March	8,825,422	5,219,806	57,267,720	9,037,993	5,570,392	48,562,087
April	8,017,548	4,189,862	67,157,660	7,876,324	4,843,229	58,997,070
May	8,007,603	3,696,990	77,184,333	7,987,338	4,553,338	70,751,212
June	7,657,444	3,928,238	88,696,035	8,068,619	4,607,477	75,551,657
July	7,907,988	4,387,125	99,458,554	8,077,392	4,433,387	83,196,360
August	8,561,204	5,366,232	105,397,457	8,964,535	5,123,980	88,459,751
September	8,835,059	6,046,863	96,377,812	8,601,797	5,063,452	77,342,212
October	9,939,851	7,159,925	82,616,143	9,591,843	5,457,444	71,735,163
November	9,948,967	7,771,956	69,165,206	9,741,551	5,964,636	53,153,993
December	10,751,299	8,597,676	59,809,936	9,640,985	6,332,563	52,431,509
Year	107,071,241	67,218,426	910,116,741	105,768,006	63,944,724	763,898,241
		1950			1949	
January	7,605,170	7,834,380	39,014,303	8,557,875	5,402,616	32,267,607
February	6,648,280	7,458,248	37,588,648	7,403,968	4,613,255	30,555,246
March	7,198,737	7,900,393	41,796,815	7,623,127	4,597,839	35,781,893
April	6,801,250	5,297,939	48,092,561	6,580,039	3,899,117	40,748,463
May	6,924,008	5,666,552	53,574,383	6,393,721	4,134,709	45,805,060
June	7,053,409	5,294,191	61,032,724	6,590,133	4,995,715	52,243,435
July	7,080,409	5,339,050	66,688,841	6,420,274	5,475,536	55,969,792
August	8,117,913	6,062,632	67,671,329	7,030,228	5,439,752	60,532,124
September	7,772,690	5,908,427	60,085,205	6,600,606	5,806,652	54,015,400
October	8,518,564	6,135,287	61,395,793	6,569,742	6,642,232	55,333,808
November	8,763,829	6,199,851	47,759,556	6,709,860	7,317,560	46,812,870
December	9,386,511	6,323,540	44,218,676	7,483,847	7,976,258	40,055,392
Year	91,870,770	75,420,490	628,918,834	83,963,420	66,301,241	550,121,090
		1948			1947	
January	9,142,237	4,430,461	28,911,808	7,459,296	4,418,779	21,873,447
February	8,206,409	3,955,800	28,266,520	6,868,488	3,671,533	20,701,104
March	8,130,008	4,207,691	30,667,031	7,233,023	3,568,989	23,448,620
April	7,236,708	3,569,177	34,962,270	6,674,607	3,448,705	27,411,508
May	7,407,870	2,934,817	39,482,885	6,678,820	3,258,958	29,751,934
June	7,819,850	3,084,749	43,508,683	6,619,932	3,291,062	33,089,545
July	8,027,841	3,235,552	48,474,460	6,985,340	3,732,202	37,391,635
August	8,536,081	3,132,335	51,675,129	7,778,887	3,833,260	42,028,192
September	8,578,714	2,922,098	50,743,093	7,923,181	3,915,322	39,394,869
October	9,056,736	3,267,121	45,528,064	8,470,951	4,038,807	37,790,099
November	8,600,353	3,571,311	39,585,432	8,053,001	3,844,707	30,285,556
December	8,843,534	4,333,757	36,291,718	8,785,064	4,286,608	29,887,396
Year	99,566,341	42,644,869	478,097,093	89,530,590	45,308,932	373,053,905
		1946			1945	
January	5,967,620	2,268,718	19,154,809	7,421,307	2,149,019	24,874,929
February	5,170,091	1,968,447	18,070,479	6,486,442	1,700,388	23,336,230
March	5,357,128	2,140,382	20,669,653	6,467,544	1,576,239	25,325,461
April	5,470,520	2,155,754	23,427,313	6,164,179	1,384,546	26,459,936
May	4,936,264	3,518,280	26,743,034	6,231,448	1,276,848	28,261,540
June	5,270,993	2,856,278	28,776,627	6,221,867	1,284,713	30,281,493
July	5,989,123	2,520,120	32,640,264	6,327,006	1,451,083	33,852,122
August	6,610,226	2,981,123	33,769,085	6,266,897	1,390,932	35,557,445
September	6,577,333	2,924,881	30,403,493	5,557,237	1,543,329	31,093,194
October	7,013,002	3,290,701	27,954,068	5,793,042	1,858,364	25,498,883
November	6,753,631	4,375,938	23,483,081	5,715,792	2,043,219	22,500,235
December	7,080,799	5,315,199	21,849,659	6,072,195	2,569,535	19,170,501
Year	72,196,730	36,315,871	306,941,565	74,724,956	20,228,215	326,211,969

COVERAGE, AND REPORTING BASIS

The data in this publication are based on individual generating plant monthly reports solicited from all electric utilities in the United States. Both the privately-owned and publicly-owned operations are included. The public group comprises the following classes: municipal electric utilities; Federal plants; and rural electrification cooperatives, power districts, and state power projects. At the end of 1954, aggregate generating capacity of the country's fuel-burning electric power plants, for which the corresponding combustion requirements are given in this report, was 79,381,558 kilowatts, distributed among 2,240 separate plants.

Bituminous coal figures in some instances include small amounts of coke; those for oil include crude oil, fuel oil, distillate, and unimportant quantities of other liquid fuels. The consumption of gas includes both natural gas and by-product manufactured gas. It should be noted that quantities of each fuel include the consumption of any generating plants operating on a standby or other intermittent basis.

In all instances the kilowatt-hour production represents the summation of net station output after deduction for energy used in the operation of auxiliary equipment within the generating plants. Where two or more kinds of fuel are used at a particular plant during the same month, allocation of the kilowatt-hour production to each fuel is usually required. Such allocations, when not given by the reporting utility, are generally made on the basis of the latest available annual average Btu content of each fuel used at that plant.

MONTHLY AND ANNUAL FUEL CONSUMPTION; ANNUAL GENERATION AND FUEL RATES, BY STATES - 1954

Table A on Page 13 shows the 1954 monthly and annual bituminous coal consumption by states, and the corresponding annual production of electric energy and average pounds of coal per kilowatt-hour.

Monthly and annual consumption of anthracite and lignite during 1954, with related annual kilowatt-hour data and per kilowatt-hour consumption, appear in Tables B and C respectively, on Page 14.

The monthly and annual volume of oil burned, and corresponding annual generation and oil rates for 1954 appear in Table D, Page 15.

Table E, relative to gas information, gives the monthly and annual state figures with the related annual net generation and per kilowatt-hour rates for 1954. Table E appears on Page 16.

CONSUMPTION OF FUEL
FOR
PRODUCTION OF ELECTRIC ENERGY
NOVEMBER 1955

FUEL CONSUMPTION

COAL CONSUMPTION by electric utility power plants was 13,285,194 tons in November 1955. This is the highest monthly coal use of record and an increase of 4.9 percent over the previous record 12,659,000 tons consumed in October 1955. The November total was 24.2 percent above the 10,699,256 tons consumed in November 1954.

COAL AND ESTIMATED COAL EQUIVALENT of other fuels consumed in November amounted to approximately 18,241,000 tons, an increase of 17.6 percent from the preceding November, compared with an increase of 20.1 percent in total fuel generation. The indicated November rate, for combustion of coal only, was 0.95 pounds per kilowatt-hour compared with 0.97 pounds a year earlier.

FUEL OIL CONSUMPTION during November 1955 totaled 7,095,776 barrels. This was 21.9 percent above the 5,820,393 barrels consumed during November 1954, and 17.4 percent above consumption during October 1955.

CONSUMPTION OF GAS during November amounted to 82,264,323 Mcf. This is a decrease of 6.9 percent from the 88,396,946 Mcf burned in November 1954. November 1955 gas use was 21.5 percent below the 104,754,341 Mcf burned in October 1955.

TWELVE MONTHS CONSUMPTION OF FUEL totaled 140,802,603 tons of coal, 74,406,150 barrels of oil and 1,156,681,601 Mcf of gas for the year ending November 30, 1955. These amounts represent increases of 20.0 percent for coal, and 11.6 percent for oil, but a decrease of 0.4 percent for gas as compared with corresponding totals for the twelve months ending November 30, 1954.

FUEL STOCKS

COAL STOCKS on hand at electric utility power plants on December 1, 1955 totaled 42,884,645 tons. December 1 stocks were 9.7 percent below the 47,475,372 tons in stock a year earlier, and 1.0 percent below the 43,314,143 tons in stock at the beginning of the previous month.

IN TERMS OF DAYS' SUPPLY, which is based on the rate of consumption for the month of November, there were sufficient stocks of coal on hand December 1, 1955 to last 97 days as compared with 106 days a month before and 133 days a year earlier.

FUEL OIL STOCKS on hand as of December 1, 1955 totaled 13,899,635 barrels compared with 14,807,465 barrels a month earlier and 17,241,879 barrels a year earlier. Oil stocks, based on November use, were sufficient for 59 days' requirements against 76 days a month before and 89 days a year ago.

The table on fuel stocks, in addition to showing days' supply information, gives the percent of total generation produced by coal and oil for the latest full year available in order to indicate the relative importance of those fuels to power production in each state.

CONSUMPTION OF FUEL BY ELECTRIC UTILITIES
FOR PRODUCTION OF ELECTRIC ENERGY
UNITED STATES

TABLE I

DIVISION AND STATE	COAL (Short tons)		OIL (42 Gallon barrels)		GAS (Thousands of cubic feet)	
	NOVEMBER 1955	NOVEMBER 1954	NOVEMBER * 1955	NOVEMBER 1954	NOVEMBER 1955	NOVEMBER 1954
Maine	0	0	186,102	82,279	0	0
New Hampshire	9,843	0	81,821	89,109	0	0
Vermont	5,053	4,291	7,016	4,679	0	0
Massachusetts	189,097	114,162	592,171	722,330	621,280	867,017
Rhode Island	54,609	24,742	74,981	74,510	9,507	0
Connecticut	196,478	172,993	147,592	148,906	160,284	0
Subtotal New England	455,080	316,188	1,089,683	1,121,813	791,071	867,017
New York	988,822	814,716	408,382	993,448	1,647,776	1,380,654
New Jersey	382,655	283,197	427,552	612,112	359,359	180,486
Pennsylvania	1,284,965	1,221,129	346,683	150,581	131,314	127,904
Subtotal Middle Atlantic	2,656,442	2,319,042	1,182,617	1,756,141	2,138,449	1,689,044
Ohio	1,577,585	1,223,275	19,868	15,522	288,990	215,163
Indiana	1,024,928	645,421	21,696	19,664	45,938	134,818
Illinois	1,592,253	1,368,524	25,438	19,515	1,816,642	4,750,636
Michigan	830,005	703,871	47,480	39,924	26,029	35,189
Wisconsin	376,556	299,778	13,812	9,166	7,787	9,117
Subtotal East North Central	5,401,327	4,240,869	128,294	103,791	2,185,386	5,144,923
Minnesota	206,377	146,836	41,478	37,663	2,296,193	2,721,155
Iowa	187,713	109,689	37,398	36,844	2,773,129	3,598,942
Missouri	231,116	193,584	61,519	42,100	1,099,051	1,653,891
North Dakota	119,805	103,743	4,805	3,710	25,830	18,656
South Dakota	32,766	26,000	14,992	13,564	263,609	371,514
Nebraska	44,668	8,056	14,601	12,451	1,619,046	1,851,681
Kansas	42,680	38,722	74,168	48,591	4,620,329	4,682,508
Subtotal West North Central	865,125	626,630	248,961	194,923	12,697,187	14,898,347
Delaware	31,464	27,805	3,609	5,229	184,894	106,954
Maryland	168,322	163,102	10,616	9,414	2,398	0
District of Columbia	50,342	46,668	1,733	1,085	0	0
Virginia	307,520	300,454	7,015	6,892	57,414	25,324
West Virginia	558,410	477,619	1,633	2,375	119,123	127,799
North Carolina	438,688	387,733	10,005	8,385	0	0
South Carolina	78,135	114,186	3,291	19,605	2,155,390	759,810
Georgia	189,812	160,231	38,864	41,197	1,565,475	2,390,518
Florida	17,022	18,865	1,345,872	1,223,610	941,034	521,831
Subtotal South Atlantic	1,839,715	1,696,663	1,422,638	1,317,792	5,025,728	3,932,236
Kentucky	598,953	503,332	349	340	408,978	253,221
Tennessee	718,616	488,033	1,065	215	151,834	689,249
Alabama	603,302	438,492	0	248	1,443,330	1,796,200
Mississippi	868	461	6,945	4,001	2,708,281	2,945,733
Subtotal East South Central	1,921,739	1,430,318	8,359	4,804	4,712,423	5,684,403
Arkansas	0	0	7,562	11,501	3,663,982	4,119,760
Louisiana	0	0	5,367	6,909	5,539,971	5,123,030
Oklahoma	0	16	3,155	3,980	5,150,762	4,903,293
Texas	0	0	6,888	8,962	21,371,932	19,021,173
Subtotal West South Central	0	16	22,972	31,352	35,726,647	33,167,256
Montana	0	0	491	77	44,356	43,275
Idaho	0	0	114	12	0	0
Wyoming	33,993	26,189	1,819	1,764	87,020	73,366
Colorado	68,906	29,167	14,047	9,993	2,533,183	3,155,554
New Mexico	2,402	1,457	1,919	3,499	1,769,293	1,630,682
Arizona	0	0	2,402	2,995	2,582,729	1,793,746
Utah	40,465	12,717	89,775	91,781	900,742	766,098
Nevada	0	0	2,677	2,744	0	20
Subtotal Mountain	145,766	69,530	113,244	112,865	7,917,323	7,462,741
Washington	0	0	5,409	1,367	0	0
Oregon	0	0	20,187	80	0	0
California	0	0	2,853,412	1,175,465	11,070,109	15,550,979
Subtotal Pacific	0	0	2,879,008	1,176,912	11,070,109	15,550,979
UNITED STATES TOTAL	13,285,194	10,699,256	7,095,776	5,820,393	82,264,323	88,396,946

* Includes internal combustion plant use, barrels, N. E. 25,626, M. A. 19,715, E. N. C. 101,483, W. N. C. 136,344, S. A. 43,266, E. S. C. 567, W. S. C. 15,337, Mtn. 22,636, Pac. 834, U.S. Total 365,808.

ELECTRIC UTILITY STOCKS AND DAYS' SUPPLY* OF COAL AND OIL FOR PRODUCTION OF ELECTRIC ENERGY
UNITED STATES

TABLE II

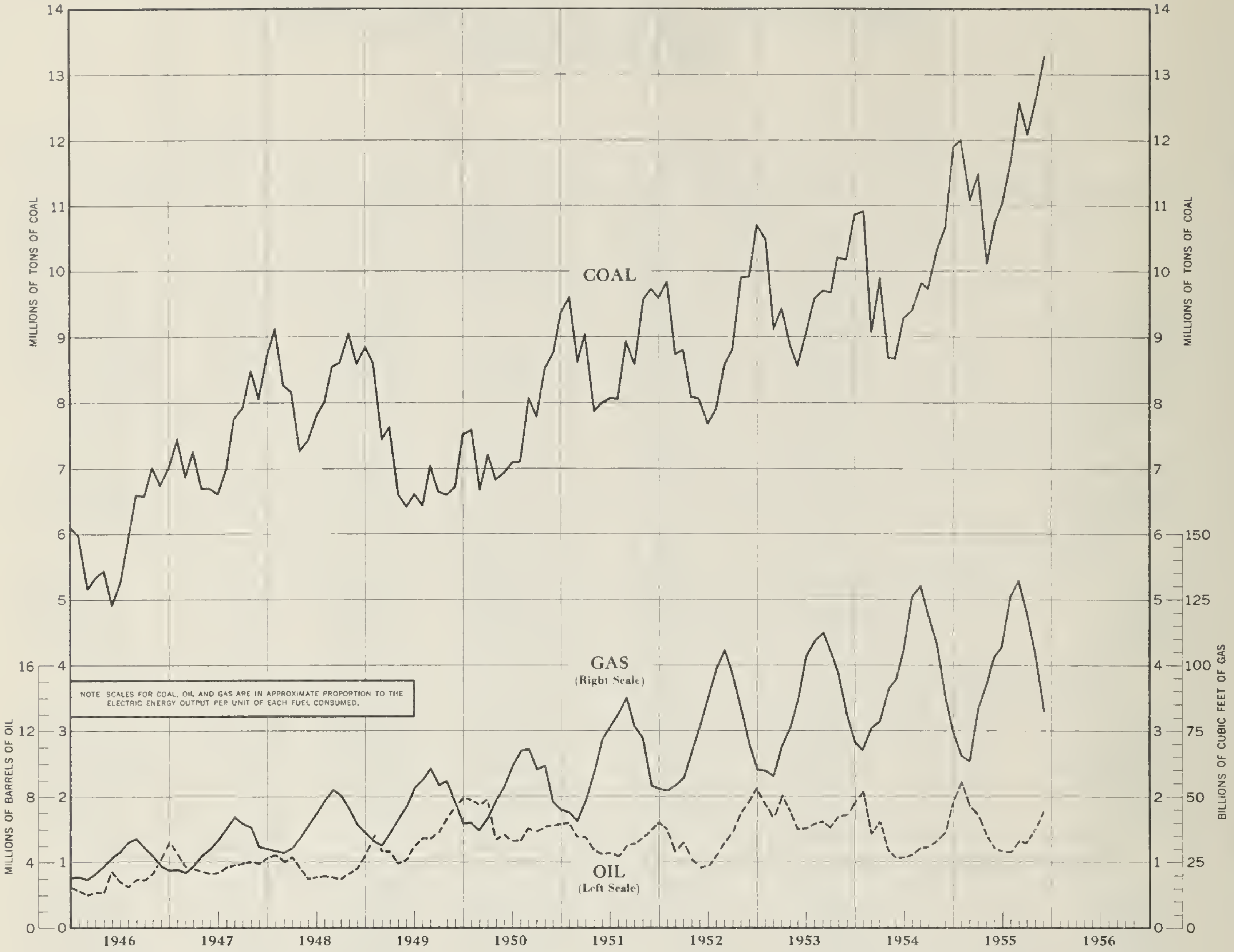
DIVISION AND STATE	COAL					OIL				
	Stocks (Short tons)		Days' Supply		Energy Produced By Coal % Total	Stocks (Barrels)		Days' Supply		Energy Produced By Oil % Total
	DECEMBER 1** 1955	DECEMBER 1 1954	DECEMBER 1 1955	1954	Year 1954	DECEMBER 1 1955	DECEMBER 1 1954	DECEMBER 1 1955	1954	Year 1954
Maine	19,574	19,834	-	-	-	303,512	257,117	49	94	19.5
New Hampshire	11,259	90	34	-	-	130,702	141,248	48	48	36.9
Vermont	16,115	8,079	96	56	4.5	17,798	19,080	7[illegible]	122	3.3
Massachusetts	351,782	443,115	56	116	34.2	529,616	540,151	27	22	51.4
Rhode Island	154,286	224,600	85	272	51.0	277,307	221,404	11[illegible]	[illegible]9	48.2
Connecticut	596,740	558,943	91	97	74.0	554,127	584,328	11[illegible]	118	20.4
Subtotal New England	1,149,756	1,254,661	76	119	37.6	1,813,062	1,763,328	50	47	36.0
New York	3,183,424	3,807,340	97	140	60.0	538,717	647,912	40	20	10.9
New Jersey	675,753	779,785	53	83	57.9	525,180	411,072	37	20	29.3
Pennsylvania	5,214,997 1/	8,885,291	122	218	88.4	152,795	104,124	13	21	2.2
Subtotal Middle Atlantic	9,074,174	13,472,416	102	174	70.7	1,216,692	1,163,108	31	20	10.1
Ohio	5,595,744	5,142,405	106	126	99.2	29,217	26,507	44	51	0.3
Indiana	3,738,983	2,784,902	109	129	96.0	31,623	26,687	44	41	0.7
Illinois	5,198,042	5,206,064	98	114	80.3	74,046	69,882	87	107	0.4
Michigan	3,358,057	3,506,555	121	149	89.4	68,751	56,695	43	43	1.2
Wisconsin	2,002,729	2,047,660	160	205	79.0	18,792	17,943	41	59	0.5
Subtotal East North Central	19,893,555	18,687,586	110	132	89.2	222,429	197,714	52	57	0.6
Minnesota	1,120,927	1,168,764	163	239	46.0	99,454	105,161	72	84	3.9
Iowa	668,947	737,105	107	202	32.8	150,086	160,856	120	131	4.1
Missouri	859,522	977,086	112	151	65.3	337,292	346,804	164	247	4.1
North Dakota	107,523	108,636	27	31	97.2	15,714	15,389	98	124	2.2
South Dakota	49,256	57,455	45	66	26.5	39,192	41,757	78	92	9.1
Nebraska	294,960	227,130	198	-	11.6	90,101	103,695	185	250	2.6
Kansas	222,112	252,233	156	195	12.7	690,470	678,120	279	-	5.0
Subtotal West North Central	3,323,247	3,528,409	115	169	38.9	1,422,309	1,451,782	171	223	4.2
Delaware	74,703	75,722	71	82	87.1	54,913	53,415	-	306	2.6
Maryland	297,839	315,682	53	58	77.2	23,824	30,592	67	97	1.0
District of Columbia	151,668	159,498	90	103	99.4	58,438	58,880	-	-	0.3
Virginia	758,026	773,695	74	77	89.6	241,466	257,713	-	-	0.5
West Virginia	1,831,910	2,245,574	98	141	96.1	5,295	4,253	[illegible]	54	0.1
North Carolina	1,247,003	1,338,723	85	104	81.9	34,885	41,136	105	47	0.5
South Carolina	236,537	257,671	91	68	45.6	51,534	51,155	-	78	2.0
Georgia	731,600	778,688	116	146	30.4	173,445	140,334	134	102	3.7
Florida	80,298	81,197	142	129	4.8	1,628,129	1,474,742	36	36	87.4
Subtotal South Atlantic	5,409,584	6,026,450	88	107	66.4	2,271,929	2,112,220	48	48	13.0
Kentucky	1,341,570	1,131,757	67	67	77.9	2,012	1,934	173	171	-
Tennessee	1,179,481	1,772,947	49	109	62.9	34,477	35,347	-	-	-
Alabama	995,121	1,088,183	49	74	59.2	659	559	-	66	-
Mississippi	547	1,283	19	83	0.1	108,130	110,404	-	-	0.5
Subtotal East South Central	3,516,719	3,994,170	55	84	61.5	145,278	148,244	-	-	-
Arkansas	0	0	-	-	-	427,345	431,225	-	-	0.8
Louisiana	654	660	-	-	-	143,133	153,095	-	-	0.9
Oklahoma	129,342	119,530	-	-	0.8	302,801	303,282	-	-	0.6
Texas	0	0	-	-	-	1,202,478	1,148,126	-	-	0.4
Subtotal West South Central	129,996	120,190	-	-	0.1	2,075,757	2,035,728	-	-	0.6
Montana	0	0	-	-	-	52,997	62,161	-	-	0.3
Idaho	0	0	-	-	-	682	567	179	-	-
Wyoming	25,216	24,030	22	28	43.5	3,291	3,335	54	57	1.5
Colorado	286,025	287,559	125	296	14.2	48,421	53,028	103	159	1.6
New Mexico	1,980	2,733	25	56	2.0	81,363	75,642	-	-	2.3
Arizona	0	0	-	-	-	172,373	135,802	-	-	0.3
Utah	65,720	68,495	49	162	23.2	57,046	55,221	19	18	31.8
Nevada	0	0	-	-	-	2,480	2,274	28	[illegible]	0.[illegible]
Subtotal Mountain	378,941	382,817	78	165	5.2	418,653	388,030	111	103	3.0
Washington	0	0	-	-	-	161,606	166,120	-	-	-
Oregon	8,673	8,673	-	-	-	37,780	37,662	[illegible]	-	-
California	0	0	-	-	-	4,114,140	7,777,943	43	[illegible]	14.1
Subtotal Pacific	8,673	8,673	-	-	-	4,313,526	7,981,725	4[illegible]	[illegible]	[illegible].6
UNITED STATES TOTAL	42,884,645	47,475,372	97	133	50.7	13,899,635	17,241,879	[illegible]	[illegible]	[illegible]

* Days' supply is based on the current rate of consumption and the available supply. Data exceeding 365 days are not shown.

** Includes anthracite stocks of 3,164,758 tons largely in Pennsylvania.

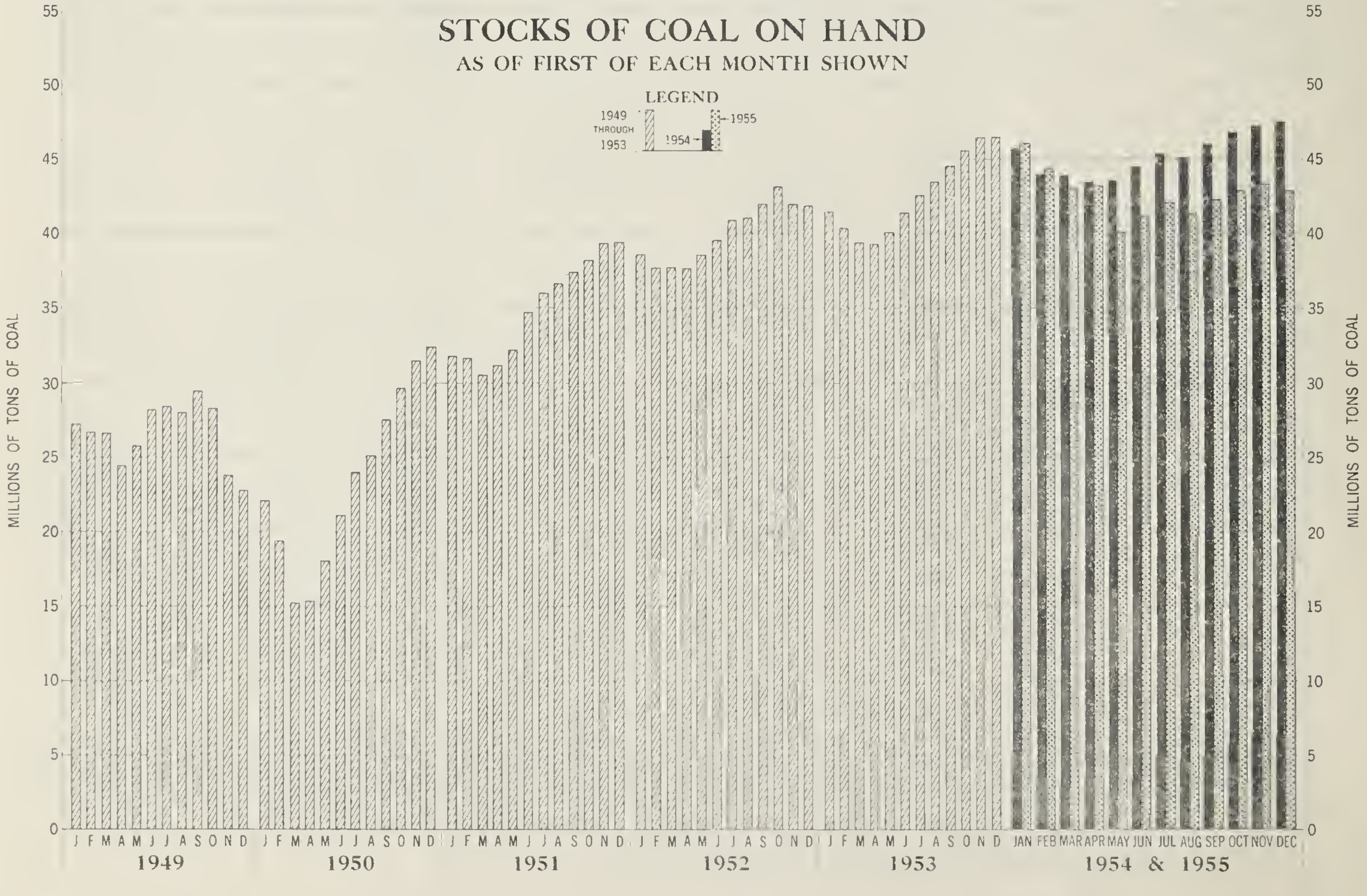
1/ Excludes 6,363,923 tons of anthracite, reported as system reserve coal in silt banks.

MONTHLY CONSUMPTION OF FUEL BY ELECTRIC UTILITY POWER PLANTS FOR PRODUCTION OF ELECTRIC ENERGY



STOCKS OF COAL ON HAND

AS OF FIRST OF EACH MONTH SHOWN



SALES, REVENUES AND INCOME
OF
PRIVATELY OWNED CLASSES A AND B ELECTRIC UTILITIES IN THE UNITED STATES
OCTOBER 1955

Electric operating revenues of the larger privately owned electric utilities in the United States in October 1955 were $612,407,000, as compared to $556,377,000 for October 1954, an increase of 10.1%. Electric operating revenue deductions, including operating expenses, depreciation, and taxes, were $484,789,000, or 10.2% over those of the same month last year. Net electric operating revenues increased 9.7% to $127,618,000 and gross income, increased 9.7% to $132,406,000. Income deductions increased 8.5%, to $36,734,000. Net income in October amounted to $95,672,000, 10.2% over the $86,800,000 reported for October last year.

Revenues from industrial service were up 16.3% from those of last year. Revenues from residential service increased 8.8% and those from commerical service 8.0%. Revenues from all sales to ultimate consumers were up 10.4%. Percentage changes in energy sales in the three consumers groups were, increases of 26.7%, 10.7% and 9.1% in Industrial, Residential and Commercial, respectively. Sales of energy to all ultimate consumers for the month were up 17.6% from last year.

Operating expenses in October 1955 were $287,934,000 or 7.4% over those of the same month last year. Of this amount fuel expenses accounted for $96,501,000 up 13.2% and salaries and wages for $104,311,000 up 2.2%. Other operating expenses increased 7.7%. Depreciation charges increased 11.7% to $59,060,000. Taxes charged to electric operations during October amount to $137,795,000, an increase of 15.9% from the $118,907,000 reported for October 1954.

The increase of 7.4% in operating expenses for the month of October may be compared to the rate of increase of 7.3% for the twelvemonth period ended October. Similarly, the rate of increase in depreciation and taxes 11.7% and 15.9% respectively for October, may be compared to increases of 11.5% and 12.8% in the respective items for the twelvemonth period. Total electric operating revenues were up 10.1% for the month, as compared to an increase of 9.6% for the twelvemonth period, while net income increased 10.2% for the month, as compared to an increase of 9.2% for the twelvemonth period.

Common dividends for the twelve months ended in October 1955 amounted to $757,636,000 or an increase of 7.3% over such payment in the comparable period ended October 1954.

At the end of October 1955 net investment in electric plant amounted to $24,261,154,000 as compared to $22,334,209,000 one year earlier.

Ultimate consumers receiving service at the end of October 1955 numbered 41,781,000 compared to 40,457,000 at the end of the same month last year, or an increase of 3.3 percent.

CLASSES A AND B PRIVATELY OWNED ELECTRIC UTILITIES
IN THE UNITED STATES

SALES, REVENUES AND INCOME

Twelve Months Ended October 31, 1954 - 1955

ITEM	1954	1955	PERCENT CHANGE
SALES OF ELECTRIC ENERGY - Thousands of Kwh			
Residential service	77,895,000	86,353,000	10.9
Commercial service	59,137,000	64,940,000	9.8
Industrial service	151,489,000	179,381,000	18.4
Other sales to ultimate consumers	29,149,000	30,285,000	3.9
Total sales to ultimate consumers	317,670,000	360,959,000	13.6
Sales to other electric utilities	50,908,000	59,665,000	17.2
Total sales of electric energy	368,678,000	420,624,000	14.1
ELECTRIC UTILITY OPERATING REVENUES			
Revenues from sales of electric energy:	$	$	
Residential service	2,182,396,000	2,386,928,000	9.4
Commercial service	1,563,871,000	1,701,332,000	8.8
Industrial service	1,691,206,000	1,886,417,000	11.5
Other sales to ultimate consumers	534,157,000	559,607,000	4.8
Total revenues from sales to ultimate consumers	5,971,630,000	6,534,284,000	9.4
Sales to other electric utilities	421,264,000	471,964,000	12.0
Total revenues from sales of electric energy	6,392,894,000	7,006,248,000	9.6
Other electric revenues	62,703,000	71,111,000	13.4
Total electric operating revenues	6,455,597,000	7,077,359,000	9.6
ELECTRIC OPERATING REVENUE DEDUCTIONS			
Operating expenses:			
Fuel	981,054,000	1,062,583,000	8.3
Salaries and wages	1,197,517,000	1,247,830,000	4.2
Other	929,287,000	1,025,202,000	10.3
Total operating expenses	3,107,858,000	3,335,615,000	7.3
Depreciation and amortization	612,251,000	682,849,000	11.5
Taxes:			
Federal excess profits	282,000	-	-
Federal income	(1) 836,509,000	(1) 950,350,000	13.6
Other federal	21,394,000	24,028,000	12.3
State and local	548,121,000	611,737,000	11.6
Total taxes	1,406,306,000	1,586,115,000	12.8
Total operating revenue deductions	5,126,415,000	5,604,579,000	9.3
NET ELECTRIC OPERATING REVENUES	1,329,182,000	1,472,780,000	10.8
Income from electric plant leased to others	2,288,000	2,334,000	2.0
ELECTRIC UTILITY OPERATING INCOME	1,331,470,000	1,475,114,000	10.8
OTHER UTILITY OPERATING INCOME	101,817,000	111,887,000	9.9
TOTAL UTILITY OPERATING INCOME	1,433,287,000	1,587,001,000	10.7
OTHER INCOME	64,917,000	61,974,000	(4.5)
GROSS INCOME	1,498,204,000	1,648,975,000	10.1
INCOME DEDUCTIONS:			
Interest on long-term debt	393,369,000	425,434,000	8.2
Amortization of debt discount, premium, and expense	4,991,000	3,825,000	(23.4)
Other income deductions	(18,663,000)	(1,163,000)	(93.8)
Total income deductions	379,697,000	428,096,000	12.7
NET INCOME	1,118,507,000	1,220,879,000	9.2
DIVIDENDS:	$	$	
PREFERRED STOCK	143,082,000	150,502,000	5.2
COMMON STOCK	705,895,000	757,636,000	7.3
ELECTRIC UTILITY PLANT	$	$	
Electric utility plant	27,610,729,000	30,005,664,000	8.7
Reserve for depreciation and amortization	5,276,520,000	5,744,510,000	8.9
Net electric utility plant	22,334,209,000	24,261,154,000	8.6

(1) Includes provision for federal income tax deferred due to accelerated amortization of emergency facilities $55,266,000, 1954; $87,439,000, 1955. Tax charges shown represent the sum of amounts reported in monthly statements of revenues and income and are subject to adjustment.

CLASSES A AND B PRIVATELY OWNED ELECTRIC UTILITIES
IN THE UNITED STATES

SALES, REVENUES AND INCOME

Month of October 1954 - 1955

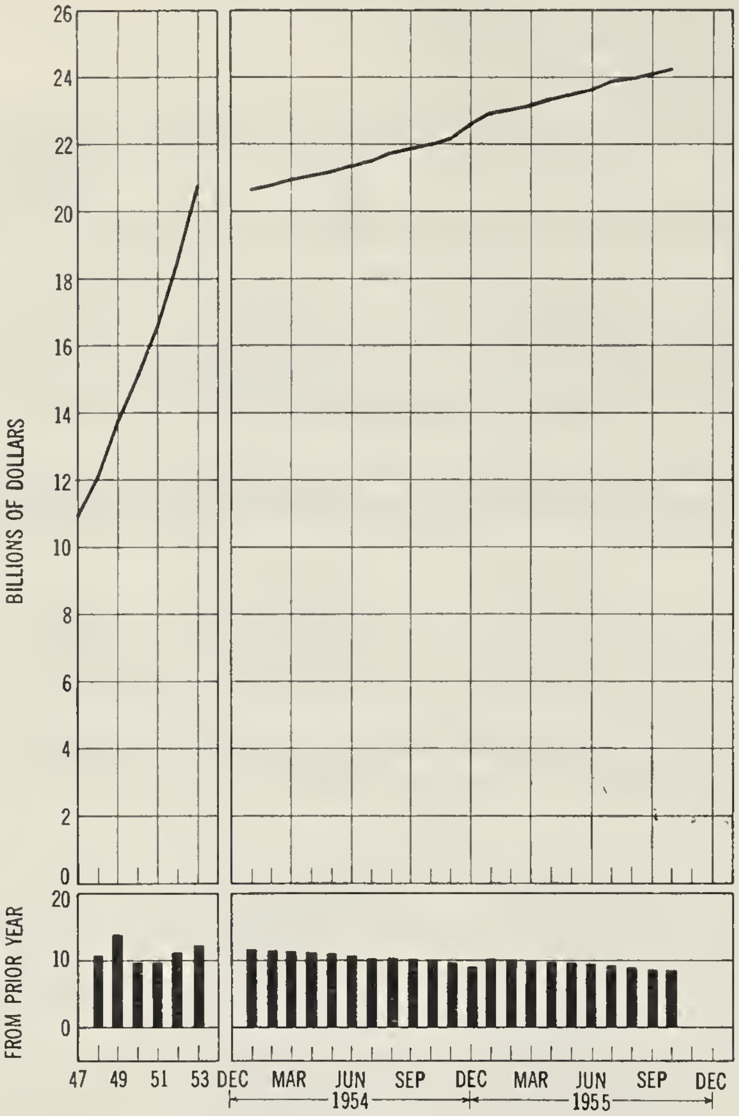
ITEM	1954	1955	PERCENT CHANGE
NUMBER OF CUSTOMERS			
Residential	33,102,000	34,312,000	3.7
Commercial	4,861,000	4,944,000	1.7
Industrial	254,000	264,000	3.9
Other ultimate consumers	2,240,000	2,261,000	0.9
Total ultimate consumers	40,457,000	41,781,000	3.3
Other electric utilities	4,000	4,000	-
Total customers	40,461,000	41,785,000	3.3
SALES OF ELECTRIC ENERGY - Thousands of Kwh			
Residential service	6,397,000	7,081,000	10.7
Commercial service	5,210,000	5,684,000	9.1
Industrial service	13,332,000	16,886,000	26.7
Other sales to ultimate consumers	2,492,000	2,612,000	4.8
Total sales to ultimate consumers	27,431,000	32,263,000	17.6
Sales to other electric utilities	4,486,000	5,223,000	16.4
Total sales of electric energy	31,917,000	37,486,000	17.4
ELECTRIC UTILITY OPERATING REVENUES	$	$	
Revenues from sales of electric energy:			
Residential service	182,982,000	199,156,000	8.8
Commercial service	137,446,000	148,400,000	8.0
Industrial service	147,354,000	171,393,000	16.3
Other sales to ultimate consumers	45,813,000	48,094,000	5.0
Total revenues from sales to ultimate consumers	513,595,000	567,043,000	10.4
Sales to other electric utilities	37,519,000	39,695,000	5.8
Total revenues from sales of electric energy	551,114,000	606,738,000	10.1
Other electric revenues	5,263,000	5,669,000	7.7
Total electric operating revenues	556,377,000	612,407,000	10.1
ELECTRIC OPERATING REVENUE DEDUCTIONS			
Operating expenses:			
Fuel	85,262,000	96,501,000	13.2
Salaries and wages	102,068,000	104,311,000	2.2
Other	80,866,000	87,122,000	7.7
Total operating expenses	268,196,000	287,934,000	7.4
Depreciation and amortization	52,894,000	59,060,000	11.7
Taxes:			
Federal excess profits			
Federal income	(1) 70,938,000	(1) 83,819,000	18.2
Other federal	1,022,000	1,307,000	27.9
State and local	46,947,000	52,669,000	12.2
Total taxes	118,907,000	137,795,000	15.9
Total operating revenue deductions	439,997,000	484,789,000	10.2
NET ELECTRIC OPERATING REVENUES	116,380,000	127,618,000	9.7
Income from electric plant leased to others	195,000	195,000	-
ELECTRIC UTILITY OPERATING INCOME	116,575,000	127,813,000	9.6
OTHER UTILITY OPERATING INCOME	1,284,000	413,000	(67.8)
TOTAL UTILITY OPERATING INCOME	117,859,000	128,226,000	8.8
OTHER INCOME	2,798,000	4,180,000	49.4
GROSS INCOME	120,657,000	132,406,000	9.7
INCOME DEDUCTIONS:			
Interest on long-term debt	34,233,000	36,696,000	7.2
Amortization of debt discount, premium, and expense	617,000	242,000	(60.8)
Other income deductions	(993,000)	(204,000)	(79.5)
Total income deductions	33,857,000	36,734,000	8.5
NET INCOME	86,800,000	95,672,000	10.2
DIVIDENDS:	$	$	
Preferred stock	11,691,000	12,521,000	7.1
Common stock	49,915,000	50,514,000	1.2

(1) Includes provision for federal income tax deferred due to accelerated amortization of emergency facilities $5,930,000, 1954; $9,137,000, 1955. Tax charges shown represent the sum of amounts reported in monthly statements of revenues and income and are subject to adjustment.

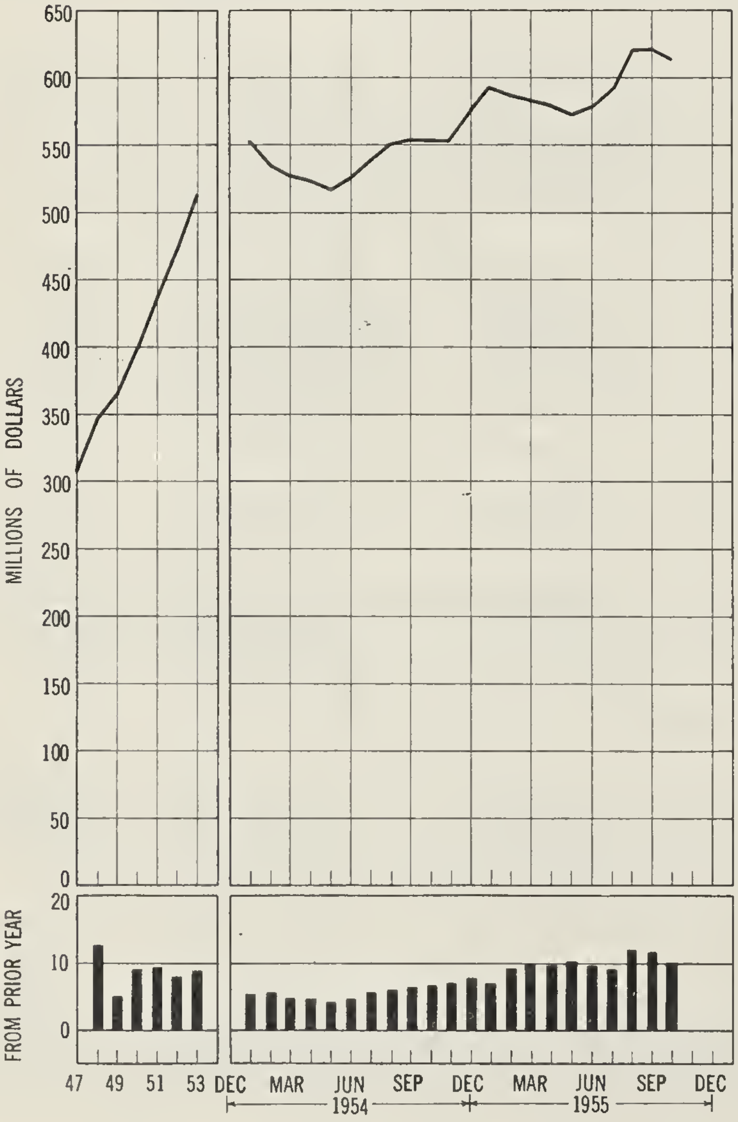
CLASSES A AND B PRIVATELY OWNED
ELECTRIC UTILITIES IN THE UNITED STATES

NET ELECTRIC UTILITY PLANT, ELECTRIC OPERATING REVENUES, EXPENSES, TAXES, AND INCOME

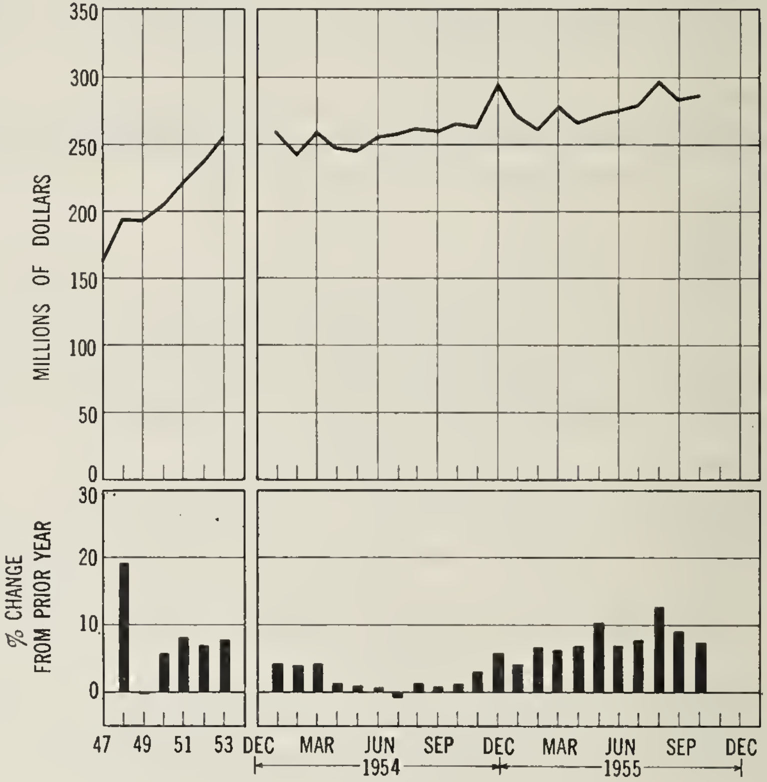
NET ELECTRIC UTILITY PLANT



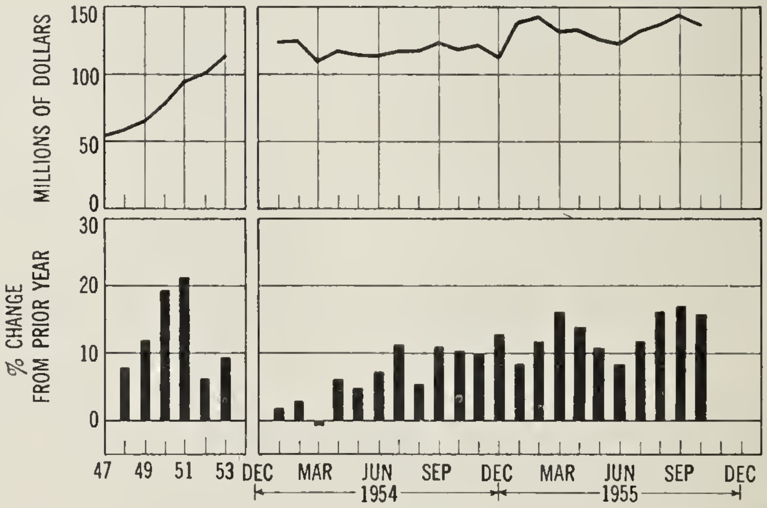
ELECTRIC OPERATING REVENUES



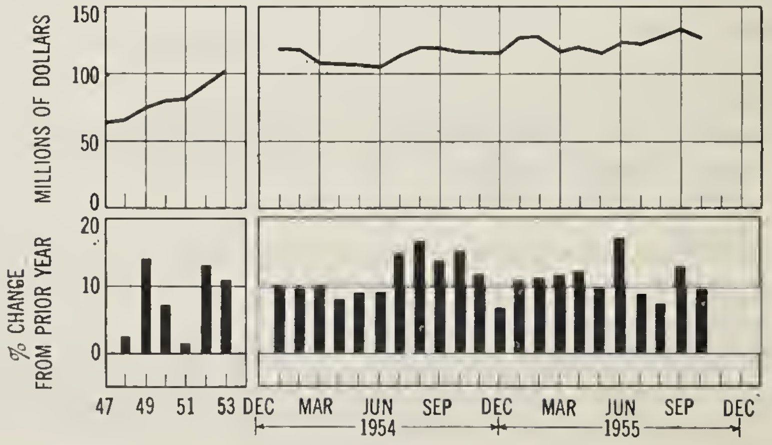
ELECTRIC OPERATING EXPENSES



ELECTRIC TAXES



ELECTRIC UTILITY OPERATING INCOME



PRODUCTION OF ELECTRIC ENERGY
IN THE
UNITED STATES
NOVEMBER 1955

ELECTRIC UTILITY PRODUCTION - CAPACITY

ELECTRIC ENERGY PRODUCTION by electric utilities in the United States totaled 47,751,306,000 kilowatt-hours in November 1955. This is the highest November production total of record and an increase of 18.8 percent over the 40,209,370,000 kilowatt-hours produced during November 1954. The November 1955 production was 0.8 percent above the 47,366,868,000 kilowatt-hours produced during October.

WATER POWER PLANTS of electric utilities produced 9,208,329,000 kilowatt-hours in November. This was 13.5 percent above production from this source in November 1954. As a proportion of the November total, however, water power output decreased from 20.2 percent last year to 19.3 percent this year. Production by fuel-burning plants in November was 20.1 percent above that for November 1954.

TWELVE MONTHS PRODUCTION by electric utilities totaled 539,137,795,000 kilowatt-hours for the year ending November 30, 1955. This total, the highest for any twelve months period to date, exceeded by 1.4 percent the previous maximum set during the period ending a month earlier, and was 15.4 percent above the 467,320,921,000 kilowatt-hours for the year ending November 30, 1954.

INSTALLED CAPACITY of generating plants in utility service totaled 113,549,824 kilowatts on November 30, 1955 according to reports received during December. This is a net increase of 1,416,042 kilowatts during the month. Occasionally capacity changes are not reported promptly, therefore the figure for any one month may reflect additions or retirements for prior periods. The November capacity compares with 101,106,017 kilowatts reported in service on November 30, 1954.

INDUSTRIAL PRODUCTION - CAPACITY

ELECTRIC ENERGY PRODUCTION by power plants of industrial concerns, including the stationary plants of electric railroads and railways was 6,761,559,000 kilowatt-hours in November. This is an increase of 8.5 percent from production for November 1954. Industrial generating capacity was 16,041,315 kilowatts on November 30, 1955.

COMBINED UTILITY AND INDUSTRIAL PRODUCTION was 54,512,865,000 kilowatt-hours in November, an increase of 17.4 percent as compared with November 1954. Combined production for the year ending November 30, 1955 was 617,220,355,000 kilowatt-hours which was 14.3 percent above the year ending November 30, 1954. Utility and industrial generating capacity totaled 129,591,139 kilowatts on November 30, 1955.

Production of Electric Energy in the United States

(Thousands of Kilowatt-hours)

TABLE I

DIVISION AND STATE	Production by ELECTRIC UTILITIES					
	BY WATER POWER		BY FUELS		TOTAL	
	NOVEMBER 1955	NOVEMBER 1954	NOVEMBER 1955	NOVEMBER 1954	NOVEMBER 1955	NOVEMBER 1954
Maine	120,218	161,646	89,182	26,761	209,400	188,407
New Hampshire	68,533	101,201	67,541	49,807	136,074	151,008
Vermont	91,763	94,204	11,653	8,836	103,416	103,040
Massachusetts	96,017	86,254	745,209	660,308	841,226	752,562
Rhode Island	1,242	901	161,404	85,754	162,646	86,655
Connecticut	64,518	34,683	482,754	436,645	547,272	471,328
Subtotal New England	442,291	478,889	1,557,743	1,274,111	2,000,034	1,753,000
New York	731,361	668,071	2,642,605	2,481,016	3,373,966	3,149,087
New Jersey	3,794	3,175	1,079,216	948,060	1,083,010	951,235
Pennsylvania	232,510	122,663	2,749,674	2,573,184	2,982,184	2,695,847
Subtotal Middle Atlantic	967,665	793,909	6,471,495	6,002,260	7,439,160	6,796,169
Ohio	2,316	1,074	3,424,700	2,556,283	3,427,016	2,557,357
Indiana	9,261	7,361	2,145,480	1,262,246	2,154,741	1,269,607
Illinois	14,498	14,919	3,056,256	2,788,233	3,070,754	2,803,152
Michigan	131,918	154,624	1,850,018	1,597,766	1,981,936	1,752,390
Wisconsin	120,708	169,928	790,795	632,520	911,503	802,448
Subtotal East North Central	278,701	347,906	11,267,249	8,837,048	11,545,950	9,184,954
Minnesota	66,006	54,425	519,005	449,108	585,011	503,533
Iowa	46,234	81,323	472,981	417,035	519,215	498,358
Missouri	6,343	11,780	545,676	499,073	552,019	510,853
North Dakota	0	0	88,241	75,137	88,241	75,137
South Dakota	52,588	49,645	55,714	54,303	108,302	103,948
Nebraska	27,497	35,119	213,220	169,875	240,717	204,994
Kansas	532	1,002	451,320	412,345	451,852	413,347
Subtotal West North Central	199,200	233,294	2,346,157	2,076,876	2,545,357	2,310,170
Delaware	0	0	95,991	80,596	95,991	80,596
Maryland	179,551	95,185	364,406	370,244	543,957	465,429
District of Columbia	7	42	115,123	106,554	115,130	106,596
Virginia	43,563	55,834	739,832	699,335	783,395	755,169
West Virginia	15,568	37,526	1,208,470	1,049,841	1,224,038	1,087,367
North Carolina	279,043 [a]	120,551	1,127,923	981,260	1,406,966	1,101,811
South Carolina	91,583	83,247	389,095	357,140	480,678	440,387
Georgia	70,966	41,804	566,881	562,888	637,847	604,692
Florida	943	967	825,191	699,802	826,134	700,769
Subtotal South Atlantic	681,224	435,156	5,432,912	4,907,660	6,114,136	5,342,816
Kentucky	187,183	151,178	1,330,805	1,070,985	1,517,988	1,222,163
Tennessee	525,854	368,281	1,751,970	1,134,259	2,277,824	1,502,540
Alabama	349,216	218,246	1,579,268	1,146,901	1,928,484	1,365,147
Mississippi	0	0	238,721	253,184	238,721	253,184
Subtotal East South Central	1,062,253	737,705	4,900,764	3,605,329	5,963,017	4,343,034
Arkansas	52,642	12,277	347,775	380,025	400,417	392,302
Louisiana	0	0	537,092	472,137	537,092	472,137
Oklahoma	17,152	12,543	402,530	365,894	419,682	378,437
Texas	74,007	19,120	1,831,472	1,560,363	1,905,479	1,579,483
Subtotal West South Central	143,801	43,940	3,118,869	2,778,419	3,262,670	2,822,359
Montana	369,891	340,998	882	919	370,773	341,917
Idaho	302,071	299,788	51	5	302,122	299,793
Wyoming	31,342	18,459	33,603	27,671	64,945	46,130
Colorado	57,817	76,379	257,953	220,614	315,770	296,993
New Mexico	40	44	145,760	125,906	145,800	125,950
Arizona	129,284	211,240	249,431	167,554	378,715	378,794
Utah	22,266	19,072	203,911	126,107	226,177	145,179
Nevada	80,439	125,866	1,447	1,417	81,886	127,283
Subtotal Mountain	993,150	1,091,846	893,038	670,193	1,886,188	1,762,039
Washington	2,296,739	1,954,669	997	292	2,297,736	1,954,961
Oregon	1,164,113	858,718	14,187	13,094	1,178,300	871,812
California	979,192	1,140,335	2,539,566	1,927,721	3,518,758	3,068,056
Subtotal Pacific	4,440,044	3,953,722	2,554,750	1,941,107	6,994,794	5,894,829
UNITED STATES TOTAL	9,208,329	8,116,367	38,542,977	32,093,003	47,751,306	40,209,370

TABLE II

PRODUCTION BY ELECTRIC UTILITIES

(Thousands of Kilowatt-hours)

MONTH	TWELVE MONTHS ENDING			MONTHLY		
	1955	1954	Percent Increase 1955 / 1954	1955	1954	Percent Increase 1955 / 1954
January	476,239,543	445,390,897	6.9	43,955,214	39,402,025	11.6
February	481,375,198	446,924,864	7.7	40,229,929	35,094,274	14.6
March	486,846,769	448,916,481	8.4	44,449,427	38,977,856	14.0
April	492,043,520	450,113,584	9.3	42,034,569	36,837,818	14.1
May	497,963,360	451,526,325	10.3	43,353,909	37,434,069	15.8
June	503,228,956	453,517,681	11.0	44,234,391	38,968,795	13.5
July	509,720,642	455,580,895	11.9	46,625,037	40,133,351	16.2
August	517,892,473	458,228,188	13.0	49,353,484	41,181,653	19.8
September	524,688,087	460,739,242	13.9	46,334,996	39,539,382	17.2
October	531,595,859	463,540,688	14.7	47,366,868	40,459,096	17.1
November	539,137,795	467,320,921	15.4	47,751,306	40,209,370	18.8
December		471,686,354			43,448,665	

[a] Reflects transfer of one producer from industrial to electric utility series as of January 1, 1955. November 1955 output by this producer was 81,885,000 kilowatt-hours.

Production of Electric Energy in the United States
(Thousands of Kilowatt-hours)

TABLE III

DIVISION AND STATE	Production by INDUSTRIAL ESTABLISHMENTS*						TOTAL UTILITY AND INDUSTRIAL	
	BY WATER POWER		BY FUELS		TOTAL			
	NOVEMBER 1955	NOVEMBER 1954	NOVEMBER 1955	NOVEMBER 1954	NOVEMBER 1955	NOVEMBER 1954	NOVEMBER 1955	NOVEMBER 1954
Maine	58,337	65,913	71,921	43,108	130,258	109,021	339,658	297,428
New Hampshire	17,925	24,047	11,726	9,572	29,651	33,619	165,725	184,627
Vermont	6,425	6,566	1,372	1,427	7,797	7,993	111,213	111,033
Massachusetts	13,498	12,662	87,711	86,903	101,209	99,565	942,435	852,127
Rhode Island	349	406	13,644	12,511	13,993	12,917	176,639	99,572
Connecticut	2,259	3,868	47,203	44,934	49,462	48,802	596,734	520,130
Subtotal New England	98,793	113,462	233,577	198,455	332,370	311,917	2,332,404	2,064,917
New York	33,762	30,806	265,852	258,245	299,614	289,051	3,673,580	3,438,138
New Jersey	874	768	141,665	135,121	142,539	135,889	1,225,549	1,087,124
Pennsylvania	1,628	1,490	519,382	469,324	521,010	470,814	3,503,194	3,166,661
Subtotal Middle Atlantic	36,264	33,064	926,899	862,690	963,163	895,754	8,402,323	7,691,923
Ohio	1,373	863	600,582	464,675	601,955	465,538	4,028,971	3,022,895
Indiana	0	0	269,542	258,379	269,542	258,379	2,424,283	1,527,986
Illinois	1,979	1,964	248,224	216,889	250,203	218,853	3,320,957	3,022,005
Michigan	8,379	9,405	476,360	391,666	484,739	401,071	2,466,675	2,153,461
Wisconsin	23,520	27,834	103,148	83,794	126,668	111,628	1,038,171	914,076
Subtotal East North Central	35,251	40,066	1,697,856	1,415,403	1,733,107	1,455,469	13,279,057	10,640,423
Minnesota	15,808	13,042	41,733	39,343	57,541	52,385	642,552	555,918
Iowa	0	0	49,798	47,076	49,798	47,076	569,013	545,434
Missouri	0	0	41,388	39,990	41,388	39,990	593,407	550,843
North Dakota	0	0	214	296	214	296	88,455	75,433
South Dakota	1,955	1,816	1,278	1,234	3,233	3,050	111,535	106,998
Nebraska	31	31	4,182	4,434	4,213	4,465	244,930	209,459
Kansas	0	0	35,536	32,080	35,536	32,080	487,388	445,427
Subtotal West North Central	17,794	14,889	174,129	164,453	191,923	179,342	2,737,280	2,489,512
Delaware	0	0	14,053	12,749	14,053	12,749	110,044	93,345
Maryland	68	34	133,973	123;790	134,041	123,824	677,998	589,253
District of Columbia	0	0	3,411	2,643	3,411	2,643	118,541	109,239
Virginia	6,141	6,180	187,731	179,228	193,872	185,408	977,267	940,577
West Virginia	15,131	36,028	238,462	185,474	253,593	221,502	1,477,631	1,308,869
North Carolina	3,101 a/	93,443	98,501	92,882	101,602	186,325	1,508,568	1,288,136
South Carolina	2,418	2,071	85,787	77,230	88,205	79,301	568,883	519,688
Georgia	4,228	3,556	120,510	109,971	124,738	113,527	762,585	718,219
Florida	0	0	127,013	119,605	127,013	119,605	953,147	820,374
Subtotal South Atlantic	31,087	141,312	1,009,441	903,572	1,040,528	1,044,884	7,154,664	6,387,700
Kentucky	0	0	11,414	10,910	11,414	10,910	1,529,402	1,233,073
Tennessee	0	0	80,416	75,052	80,416	75,052	2,358,240	1,577,592
Alabama	1,900	1,900	127,397	114,089	129,297	115,989	2,057,781	1,481,136
Mississippi	0	0	48,535	46,818	48,535	46,818	287,256	300,002
Subtotal East South Central	1,900	1,900	267,762	246,869	269,662	248,769	6,232,679	4,591,803
Arkansas	248	482	105,930	107,873	106,178	108,355	506,595	500,657
Louisiana	0	0	533,208	496,476	533,208	496,476	1,070,300	968,613
Oklahoma	0	0	23,204	21,945	23,204	21,945	442,886	400,382
Texas	3	6	1,054,543	968,422	1,054,546	968,428	2,960,025	2,547,911
Subtotal West South Central	251	488	1,716,885	1,594,716	1,717,136	1,595,204	4,979,806	4,417,563
Montana	0	0	4,720	4,308	4,720	4,308	375,493	346,225
Idaho	31	37	14,792	15,200	14,823	15,237	316,945	315,030
Wyoming	0	0	15,521	14,962	15,521	14,962	80,466	61,092
Colorado	66	222	32,833	29,492	32,899	29,714	348,669	326,707
New Mexico	0	0	22,362	22,466	22,362	22,466	168,162	148,416
Arizona	0	0	77,512	75,937	77,512	75,937	456,227	454,731
Utah	0	0	104,506	94,660	104,506	94,660	330,683	239,839
Nevada	0	0	12,657	10,592	12,657	10,592	94,543	137,875
Subtotal Mountain	97	259	284,903	267,617	285,000	267,876	2,171,188	2,029,915
Washington	11.569	21,008	82,690	80,724	94,259	101,732	2,391,995	2,056,693
Oregon	4,269	3,879	49,745	50,268	54,014	54,147	1,232,314	925,959
California	0	0	80,397	75,903	80,397	75,903	3,599,155	3,143,959
Subtotal Pacific	15,838	24,887	212,832	206,895	228,670	231,782	7,223,464	6,126,611
UNITED STATES TOTAL	237,275	370,327	6,524,284	5,860,670	6,761,559	6,230,997	54,512,865	46,440,367

TABLE IV

TOTAL ELECTRIC UTILITY AND INDUSTRIAL PRODUCTION
(Thousands of Kilowatt-hours)

MONTH	TWELVE MONTHS ENDING			MONTHLY		
	1955	1954	Percent Increase 1955 / 1954	1955	1954	Percent Increase 1955 / 1954
January	549,536,344	516,983,804	6.3	50,403,610	45,512,304	10.7
February	555,046,018	518,611,577	7.0	46,268,585	40,758,911	13.5
March	560,967,570	520,769,527	7.7	51,152,560	45,231,008	13.1
April	566,523,394	522,049,270	8.5	48,375,881	42,820,057	13.0
May	572,927,215	523,529,582	9.4	49,938,678	43,534,857	14.7
June	578,630,152	525,652,060	10.1	50,724,825	45,021,888	12.7
July	585,528,144	527,685,009	11.0	52,924,074	46,026,082	15.0
August	594,249,039	530,326,533	12.1	55,916,756	47,195,861	18.5
September	601,667,294	532,901,406	12.9	52,906,981	45,488,726	16.3
October	609,147,857	535,806,926	13.7	54,205,990	46,725,427	16.0
November	617,220,355	539,873,508	14.3	54,512,865	46,440,367	17.4
December		544,645,038			49,889,550	

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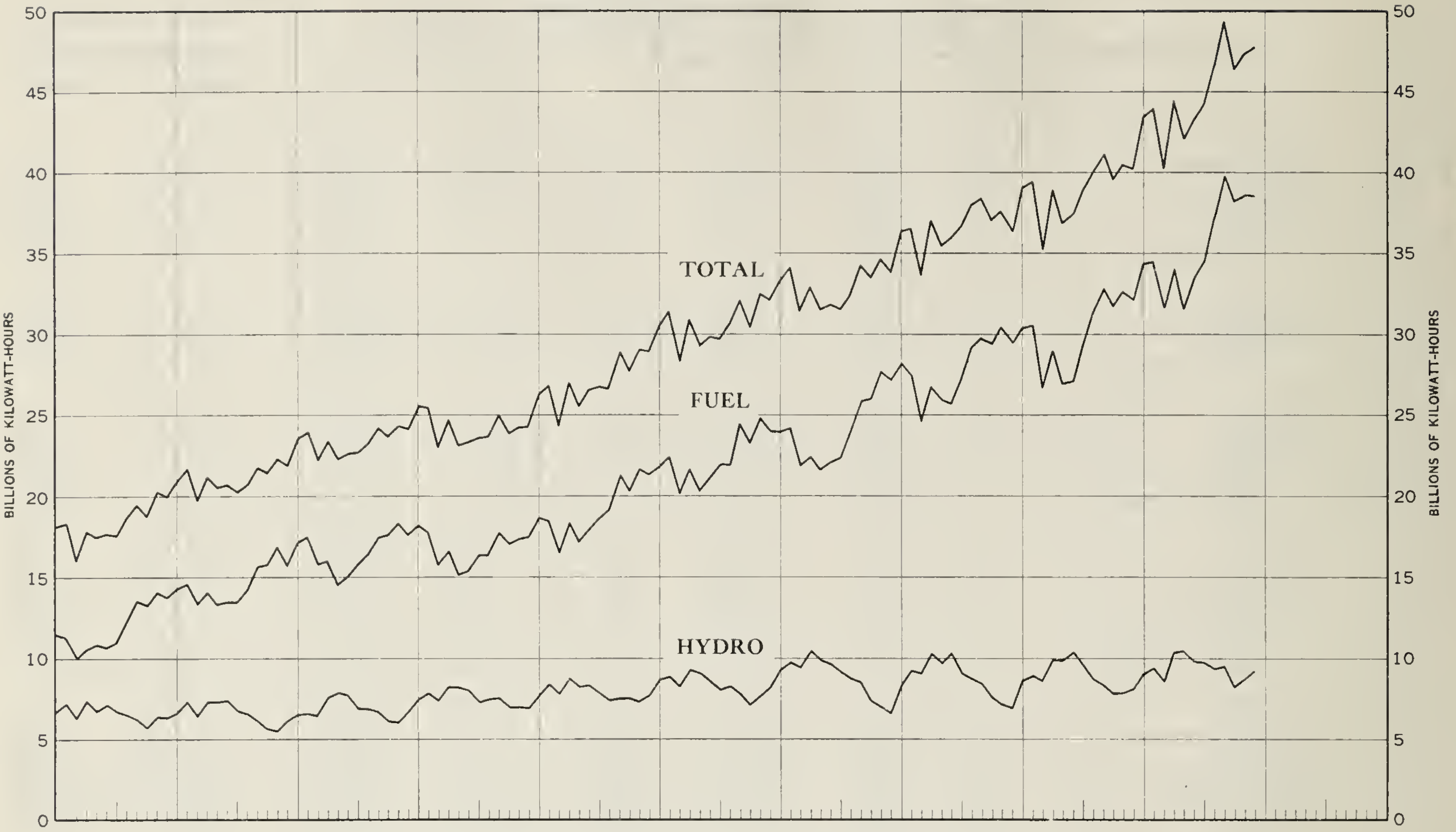
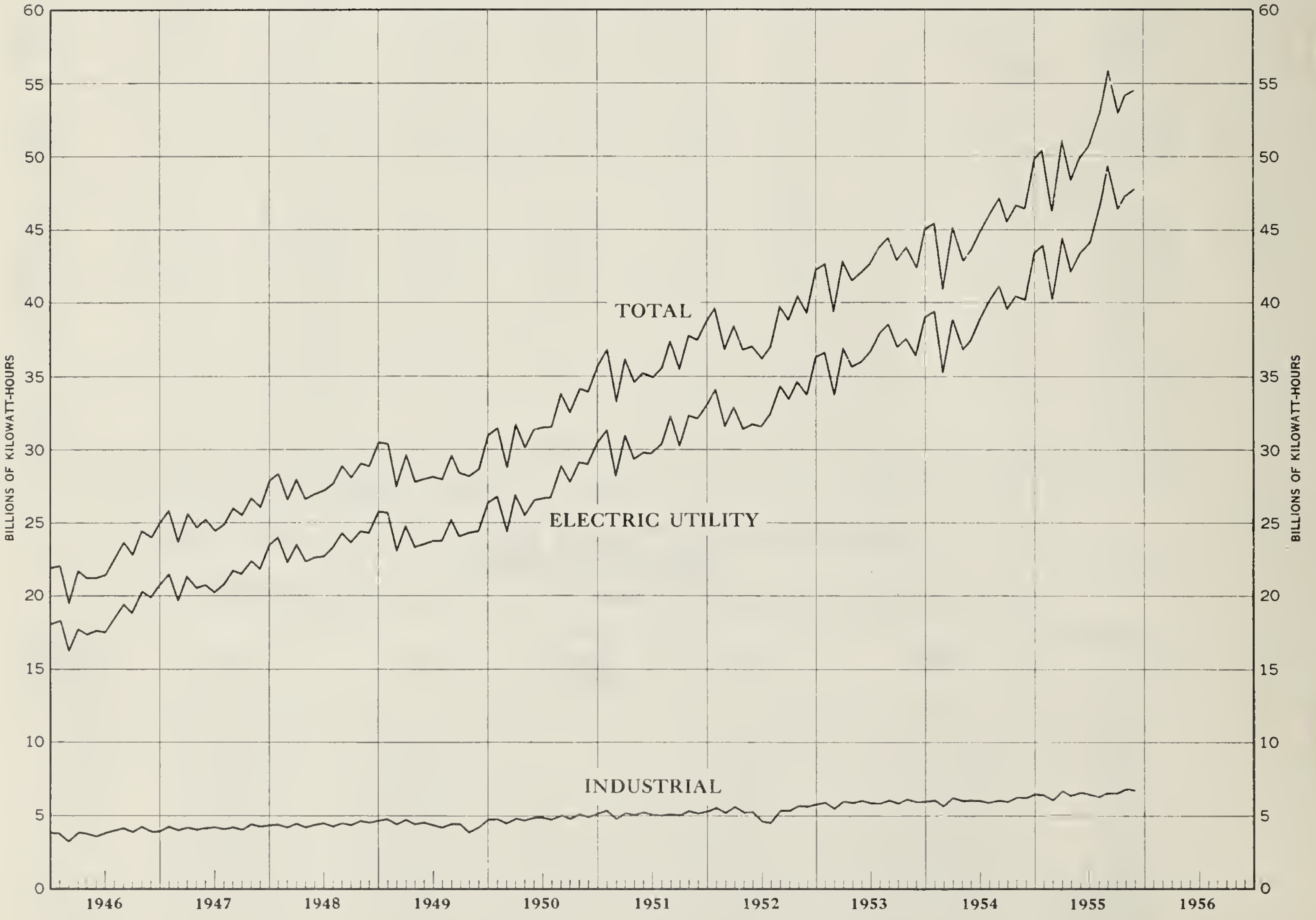
* Extended to represent total industrial production of electric energy from data reported monthly by about 800 generating plants which account for some 85 percent coverage.

MONTHLY PRODUCTION OF ELECTRIC ENERGY BY ELECTRIC UTILITIES



MONTHLY PRODUCTION OF ELECTRIC ENERGY TOTAL BY ELECTRIC UTILITY AND INDUSTRIAL PRODUCERS



MONTHLY SALES
OF
ELECTRIC ENERGY TO ULTIMATE CONSUMERS*
OCTOBER 1955

SALES OF ELECTRIC ENERGY TO ULTIMATE CONSUMERS by electric utilities in the United States totaled 43,159,537,000 kilowatt-hours in October 1955, an increase of 19.3 percent over October 1954. [1]

SALES TO RESIDENTIAL AND RURAL CONSUMERS were 10,334,554,000 kilowatt-hours, a gain of 10.5 percent over the corresponding month of 1954. By Geographic Divisions, the greatest increase, 14.8 percent, was shown in the Pacific division. The West North Central division, with 7.8 percent, recorded the smallest increase.

COMMERCIAL SALES in October were higher by 8.8 percent than the same month of 1954. Sales for the period were 6,872,331,000 kilowatt-hours. All Geographic Divisions showed increases ranging from 13.8 percent in the Mountain division to 5.0 percent in the Middle Atlantic division.

SALES TO INDUSTRIAL CONSUMERS TOTALED 23,445,856,000 kilowatt-hours, indicating an increase of 29.2 percent compared with October 1954. All Geographic Divisions showed increases ranging from 63.9 percent in the East North Central division to 11.1 percent in the West South Central division.

OTHER SALES for the month were 2,506,796,000 kilowatt-hours, showing an increase of 6.1 percent compared with the previous year. Percentage increases ranged from 8.6 percent in the West North Central division to 0.3 percent for the East South Central division.

TOTAL SALES for the twelve months ended October 31, 1955 amounted to 482,842,308,000 kilowatt-hours, a 16.2 percent increase over the preceding year. Percent changes in sales by class of service for the twelve month period showed gains of 10.6, 8.3, 23.4 and 6.5 percent, in order, for Residential, Commercial, Industrial and Other Sales.

A COMPARISON OF SALES by Geographic Divisions by class of service for October 1954 and 1955 and the trend in sales for Residential, Commercial and Industrial service since 1949 are shown by charts included with this report. These charts will appear on alternate months as part of the sales data series.

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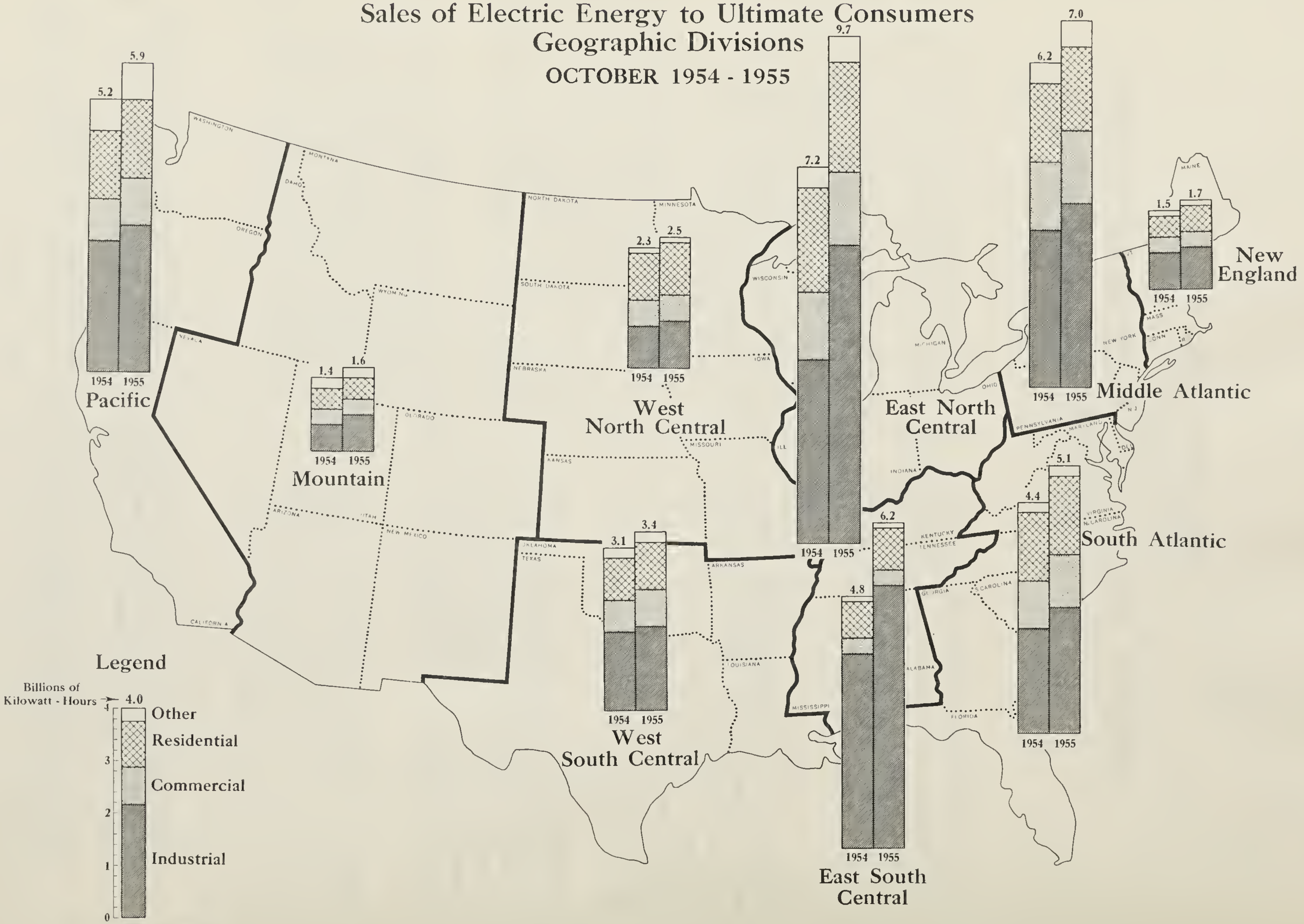
* Based on monthly reports from privately, publicly and cooperatively owned utility systems representing approximately 95 percent of the industry expanded to 100 percent coverage. Where changes are made in reported sales classifications including amounts where classification is changed from "Sales" to "Company Use" or "Company Use" to "Sales," data for the prior year are revised for comparability.

[1] Data reflect revisions to include service to Atomic Energy Commission installations and changes in sales classifications reported by certain utilities. Revised data for calendar years 1950-1954 included in report No. 55-2E.

Sales of Electric Energy to Ultimate Consumers
Geographic Divisions
OCTOBER 1954 - 1955



SALES OF ELECTRIC ENERGY TO ULTIMATE CONSUMERS
(Thousands of Kilowatt-Hours)
By Class of Service

OCTOBER 1955

Class of Service	Kilowatt-Hours Sold			Kilowatt-Hours Sold		
	October		Percent Change	12 Months Ended		Percent Change
	1954	1955		October 1954	October 1955	
United States						
Residential	9,355,657	10,334,554	10.5	113,919,459	126,021,634	10.6
Commercial	6,316,149	6,872,331	8.8	71,692,357	77,620,361	8.3
Industrial	18,142,941	23,445,856	29.2	203,036,991	250,497,896	23.4
Other	2,363,269	2,506,796	6.1	26,941,305	28,702,417	6.5
Ultimate Consumers	36,178,016	43,159,537	19.3	415,590,112	482,842,308	16.2
New England						
Residential	480,720	530,324	10.3	6,036,782	6,641,787	10.0
Commercial	294,387	315,001	7.0	3,440,840	3,718,786	8.1
Industrial	709,799	795,671	12.1	8,196,119	8,898,685	8.6
Other	46,231	50,116	8.4	529,744	561,224	5.9
Ultimate Consumers	1,531,137	1,691,112	10.4	18,203,485	19,820,482	8.9
Middle Atlantic						
Residential	1,477,217	1,613,441	9.2	18,327,747	20,121,828	9.8
Commercial	1,346,539	1,413,694	5.0	15,618,522	16,605,576	6.3
Industrial	2,970,894	3,465,416	16.6	34,478,104	38,593,844	11.9
Other	448,930	465,495	3.7	5,459,048	5,672,075	3.9
Ultimate Consumers	6,243,580	6,958,046	11.4	73,883,421	80,993,323	9.6
East North Central						
Residential	1,979,522	2,151,878	8.7	24,291,122	26,770,403	10.2
Commercial	1,278,028	1,395,113	9.2	14,908,163	15,967,075	7.1
Industrial	3,466,043	5,680,755	63.9	40,169,415	55,544,270	38.3
Other	433,623	456,858	5.4	5,194,810	5,474,296	5.4
Ultimate Consumers	7,157,216	9,684,604	35.3	84,563,510	103,756,044	22.7
West North Central						
Residential	894,137	963,510	7.8	10,744,640	11,749,249	9.3
Commercial	470,640	504,727	7.2	5,452,634	5,925,041	8.7
Industrial	789,251	912,305	15.6	9,236,876	10,198,247	10.4
Other	111,284	120,889	8.6	1,336,207	1,469,867	10.0
Ultimate Consumers	2,265,312	2,501,431	10.4	26,770,357	29,342,404	9.6
South Atlantic						
Residential	1,282,003	1,448,367	13.0	15,802,125	17,709,775	12.1
Commercial	940,076	1,025,178	9.1	10,388,708	11,554,928	11.2
Industrial	2,034,877	2,438,688	19.8	23,355,179	26,180,798	12.1
Other	159,472	171,417	7.5	1,945,738	1,996,987	2.6
Ultimate Consumers	4,416,428	5,083,650	15.1	51,491,750	57,442,488	11.6
East South Central						
Residential	697,493	778,928	11.7	8,998,853	10,178,579	13.1
Commercial	309,074	342,513	10.8	3,328,423	3,783,840	13.7
Industrial	3,713,709	4,994,539	34.5	36,787,563	53,478,186	45.4
Other	128,655	129,035	0.3	1,518,460	1,551,216	2.2
Ultimate Consumers	4,848,931	6,245,015	28.8	50,633,299	68,991,821	36.3
West South Central						
Residential	839,184	914,367	9.0	8,572,118	9,289,879	8.4
Commercial	636,646	692,676	8.8	6,534,197	7,129,689	9.1
Industrial	1,458,120	1,620,335	11.1	16,272,504	17,878,288	9.9
Other	184,127	197,315	7.2	2,020,711	2,151,978	6.5
Ultimate Consumers	3,118,077	3,424,693	9.8	33,399,530	36,449,834	9.1
Mountain						
Residential	398,633	433,097	8.6	4,708,280	5,249,368	11.5
Commercial	260,950	296,931	13.8	2,975,426	3,383,616	13.7
Industrial	523,711	679,305	29.7	6,579,237	7,524,442	14.4
Other	206,549	219,421	6.2	2,354,413	2,581,493	9.6
Ultimate Consumers	1,389,843	1,628,754	17.2	16,617,356	18,738,919	12.8
Pacific						
Residential	1,306,748	1,500,642	14.8	16,437,792	18,310,766	11.4
Commercial	779,809	886,498	13.7	9,045,444	9,551,810	5.6
Industrial	2,476,537	2,858,842	15.4	27,961,994	32,201,136	15.2
Other	644,398	696,250	8.0	6,582,174	7,243,281	10.0
Ultimate Consumers	5,207,492	5,942,232	14.1	60,027,404	67,306,993	12.1

RESIDENTIAL, COMMERCIAL AND INDUSTRIAL SALES OF ELECTRIC ENERGY
UNITED STATES

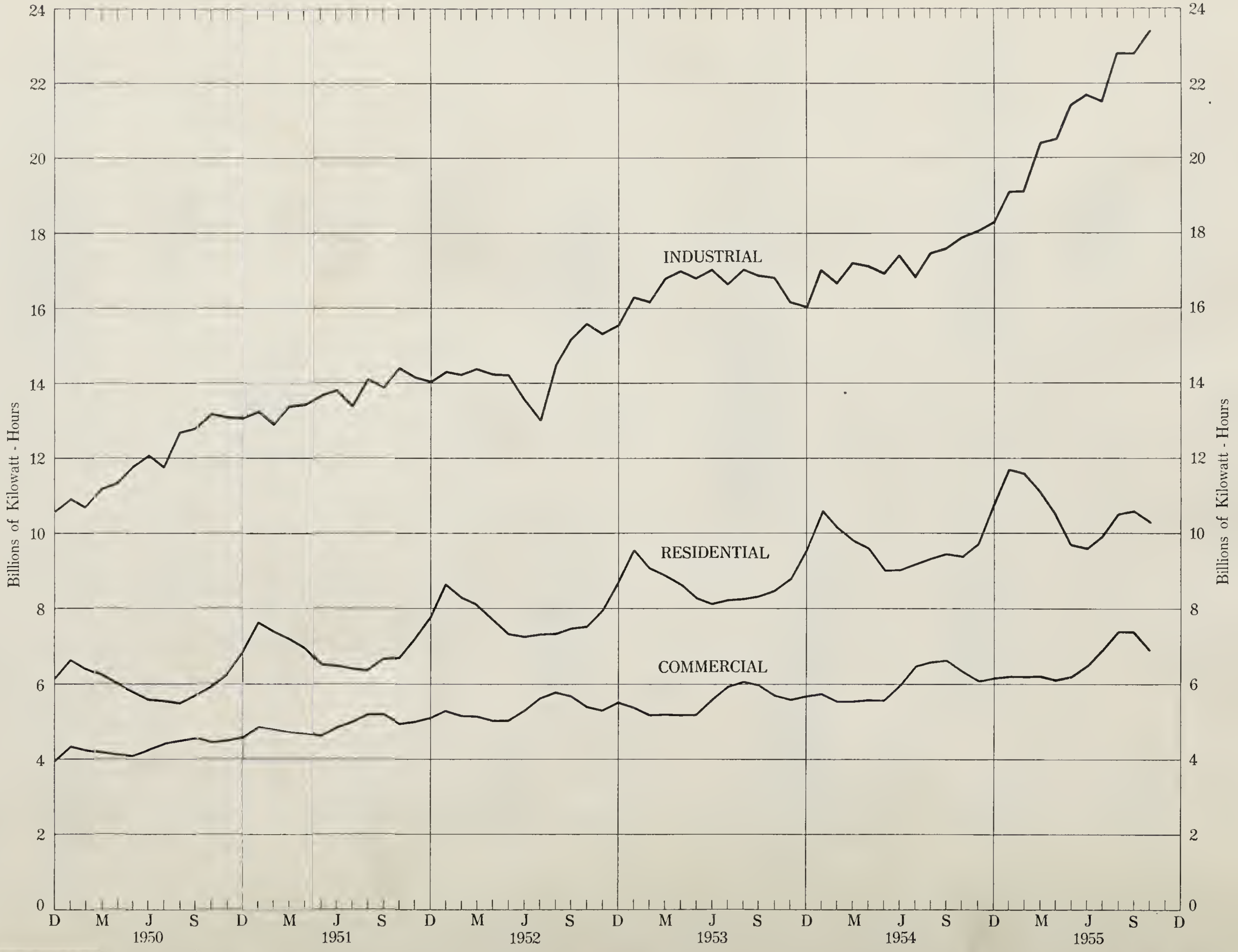


TABLE A - CONSUMPTION OF BITUMINOUS COAL BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY

1954

GEOGRAPHIC DIVISION AND STATE	SHORT TONS													THOUSANDS OF KILOWATT - HOURS PRODUCED*	POUNDS OF COAL PER KILOWATT - HOUR
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL		
United States	10.459.051	8.625.057	9,497,853	8,302,442	8,330,477	8,920,012	9,020,315	9,448,217	9,325,775	9,937,107	10,301,997	11,492,089	113,660,392	233,230,601	0.97
New England	338,580	274,580	289,947	257,686	251,207	279,170	304,462	316,909	287,724	332,379	316,188	347,322	3,596,154	7,663,019	0.94
Middle Atlantic	2,278,715	1,890,135	2,011,624	1,770,915	1,716,010	1,829,036	1,846,656	1,932,988	1,898,882	2,004,301	2,057,897	2,217,907	23,455,066	51,040,399	0.92
East North Central	4,463,746	3,786,364	4,187,233	3,683,997	3,701,354	3,793,370	3,654,553	3,866,473	3,753,892	4,030,516	4,240,869	4,733,598	47,895,965	91,886,810	1.04
West North Central	772,260	506,331	589,076	431,523	386,732	396,546	404,243	411,243	399,422	438,114	490,516	690,156	5,916,162	9,615,537	1.23
South Atlantic	1,555,772	1,315,966	1,384,012	1,253,423	1,285,848	1,543,402	1,593,875	1,618,441	1,628,625	1,698,550	1,696,663	1,782,659	18,357,236	41,824,674	0.88
East South Central	932,794	772,271	926,612	842,291	921,671	1,014,080	1,152,055	1,237,111	1,276,623	1,367,110	1,430,318	1,589,337	13,462,273	29,968,448	0.90
West South Central	3,989	4,612	7,104	3,493	2,854	629	130	49	170	15	16	162	23,223	37,609	1.23
Mountain	113,195	74,798	102,245	59,114	64,801	63,779	64,341	65,003	80,437	66,122	69,530	130,948	954,313	1,194,105	1.60
Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New England															
Maine	-	-	-	-	80	590	-	-	26	-	-	-	(1) 696	-	-
New Hampshire	32	26	6	-	70	-	-	-	2	-	-	-	136	213	1.28
Vermont	-	-	-	-	-	3	3,064	5,380	4,047	4,299	4,291	4,875	25,959	45,008	1.15
Massachusetts	142,359	117,067	122,815	85,841	86,973	129,352	143,159	132,354	117,242	127,969	114,162	129,088	1,448,381	3,006,887	0.96
Rhode Island	28,976	24,717	25,755	29,580	27,054	5,828	12,574	11,804	9,203	25,000	24,742	28,155	253,388	634,418	0.80
Connecticut	167,213	132,770	141,371	142,265	137,030	143,397	145,665	167,371	157,204	175,111	172,993	185,204	1,867,594	3,976,493	0.94
Middle Atlantic															
New York	917,973	768,801	828,845	741,329	715,724	781,001	766,368	771,292	757,991	804,505	782,481	870,725	9,507,035	21,597,469	0.88
New Jersey	289,006	215,757	243,209	192,505	183,027	188,506	181,048	210,214	235,962	239,108	283,050	293,222	2,754,614	6,377,899	0.86
Pennsylvania	1,071,736	905,577	939,570	837,081	817,259	859,529	899,240	951,482	904,929	960,688	992,366	1,053,960	11,193,417	23,065,031	0.97
East North Central															
Ohio	1,182,066	1,068,426	1,188,670	1,101,976	1,101,442	1,121,344	1,087,128	1,148,671	1,125,971	1,199,145	1,223,275	1,322,734	13,870,848	27,574,267	1.01
Indiana	671,363	583,018	636,809	553,373	546,064	571,952	578,463	599,534	593,281	620,189	645,421	704,252	7,303,719	13,690,744	1.07
Illinois	1,521,448	1,193,747	1,342,781	1,113,945	1,169,220	1,202,935	1,092,921	1,138,489	1,080,188	1,237,586	1,368,524	1,610,173	15,071,957	25,659,043	1.17
Michigan	741,113	641,904	685,665	628,807	601,391	615,353	604,385	647,277	648,341	670,341	703,871	757,685	7,946,133	17,456,532	0.91
Wisconsin	347,756	299,269	333,308	285,896	283,237	281,786	291,656	332,502	306,111	303,255	299,778	338,754	3,703,308	7,506,224	0.99
West North Central															
Minnesota	198,461	117,581	160,692	101,516	93,781	88,768	81,509	103,341	101,734	111,378	124,547	171,253	1,454,561	2,528,375	1.15
Iowa	206,431	128,486	148,666	105,130	105,482	93,877	89,036	88,748	88,096	107,466	109,689	170,078	1,441,185	1,916,396	1.50
Missouri	221,798	184,842	203,849	171,913	143,877	160,575	180,946	174,938	170,064	181,830	193,584	244,181	2,232,397	4,039,708	1.11
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	22,036	10,394	12,951	14,311	11,964	11,386	14,536	11,704	10,987	14,140	15,918	16,717	167,044	171,610	1.95
Nebraska	53,210	8,643	17,803	8,376	10,406	15,540	10,409	7,403	7,817	6,156	8,056	22,960	176,779	308,210	1.15
Kansas	70,324	56,385	45,115	30,277	21,222	26,400	27,807	25,109	20,724	17,144	38,722	64,967	444,196	651,238	1.36
South Atlantic															
Delaware	31,999	29,950	31,975	28,807	22,071	30,611	22,298	22,361	23,526	25,628	27,805	36,079	333,110	811,489	0.82
Maryland	191,642	153,657	155,428	143,306	144,718	152,063	165,480	180,475	177,906	172,564	163,102	165,341	1,965,682	4,299,756	0.91
Dist. of Columbia	66,921	52,321	75,251	71,043	64,971	74,269	74,245	60,670	56,739	55,591	46,668	54,606	753,295	1,696,464	0.89
Virginia	286,214	243,080	250,293	234,445	230,606	264,630	275,423	291,876	295,853	297,861	300,454	298,607	3,269,342	7,374,013	0.89
West Virginia	521,947	444,168	479,695	429,862	426,343	472,235	451,650	451,569	481,074	515,612	477,619	542,639	5,694,413	12,474,354	0.91
North Carolina	308,481	275,839	267,895	282,533	326,352	343,727	363,456	404,249	407,596	411,493	387,733	381,939	4,161,293	10,167,144	0.82
South Carolina	69,917	71,022	69,993	38,512	42,817	73,899	89,091	105,365	108,184	118,937	114,186	118,510	1,020,433	2,468,733	0.83
Georgia	63,342	33,632	38,696	9,177	18,513	115,600	135,170	84,291	60,026	84,376	160,231	166,281	969,335	2,113,869	0.92
Florida	15,309	12,297	14,786	15,738	9,457	16,368	17,062	17,585	17,721	16,488	18,865	18,657	190,333	418,852	0.91
East South Central															
Kentucky	362,516	277,602	344,577	300,739	334,086	342,909	380,758	401,453	417,185	414,185	503,332	580,673	4,660,015	9,783,770	0.95
Tennessee	322,113	308,277	340,719	306,425	323,718	343,872	398,693	443,772	463,172	524,832	488,033	537,994	4,801,620	10,817,562	0.89
Alabama	247,623	186,106	241,156	235,100	263,867	327,299	372,604	391,886	396,266	427,961	438,492	470,230	3,998,590	9,363,921	0.85
Mississippi	542	286	160	27	-	-	-	-	-	132	461	440	2,048	3,195	1.28
West South Central															
Arkansas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oklahoma	3,989	4,612	7,104	3,493	2,854	629	130	49	170	15	16	162	23,223	37,609	1.23
Texas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mountain															
Montana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	25,176	21,499	23,748	20,429	19,150	18,048	21,902	23,435	24,305	25,520	26,189	28,911	(2) 278,312	264,508	-
Colorado	57,707	26,936	55,344	25,178	18,943	18,988	17,736	19,562	29,417	28,660	29,167	73,111	400,749	496,121	1.62
New Mexico	5,524	4,522	3,648	2,067	1,452	1,224	900	1,018	1,902	1,268	1,457	1,578	26,560	32,868	1.62
Arizona	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah	24,788	21,841	19,505	11,440	25,256	25,519	23,803	20,988	24,813	10,674	12,717	27,348	248,692	400,608	1.24
Nevada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pacific															
Washington	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
California	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Includes allocated production from certain plants using more than one kind of fuel.
1. Consumption largely for standby or other irregular operations.
2. Includes fuel for production of steam for other uses.

TABLE B - CONSUMPTION OF ANTHRACITE BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY
1954

GEOGRAPHIC DIVISION AND STATE[1]	SHORT TONS													THOUSANDS OF KILOWATT - HOURS PRODUCED*	POUNDS OF COAL PER KILOWATT - HOUR
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL		
United States	296,488	261,614	276,176	239,604	235,671	258,248	269,443	265,895	269,232	262,558	261,145	270,031	3,166,105	4,808,427	1.32
Middle Atlantic	296,488	261,614	276,176	239,604	235,671	258,248	269,443	265,895	269,232	262,558	261,145	270,031	3,166,105	4,808,427	1.32
Middle Atlantic															
New York	48,641	37,195	36,741	28,241	26,098	26,062	22,342	30,951	30,127	32,439	32,235	34,919	385,991	686,906	1.12
New Jersey	767	635	844	355	156	79	-	-	-	-	147	293	3,276	(2) 1,468	-
Pennsylvania	247,080	223,784	238,591	211,008	209,417	232,107	247,101	234,944	239,105	230,119	228,763	234,819	2,776,838	4,120,053	1.35

1. Consumption of anthracite reported in only those States appearing in this table.
* Includes allocated production from certain plants using more than one kind of fuel.
2. Consumption largely for standby or other irregular operations.

TABLE C - CONSUMPTION OF LIGNITE BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY
1954

GEOGRAPHIC DIVISION AND STATE[1]	SHORT TONS													THOUSANDS OF KILOWATT - HOURS PRODUCED*	POUNDS OF COAL PER KILOWATT - HOUR
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL		
United States	151,374	121,617	133,339	120,647	117,945	115,992	122,828	126,758	125,195	136,367	136,114	149,998	1,558,174	1,106,938	2.82
West North Central	151,374	121,617	133,339	120,647	117,945	115,992	122,828	126,758	125,195	136,367	136,114	149,998	1,558,174	1,106,938	2.82
West North Central															
Minnesota	22,920	17,590	20,363	17,958	15,259	17,414	19,494	21,442	19,161	22,089	22,289	23,805	239,784	202,813	2.36
North Dakota	117,331	91,718	100,729	94,590	92,854	89,439	92,870	94,361	95,789	104,442	103,743	115,388	1,193,254	824,283	2.90
South Dakota	11,123	12,309	12,247	8,099	9,832	9,139	10,464	10,955	10,245	9,836	10,082	10,805	125,136	79,842	3.13

1. Consumption of lignite reported in only those States appearing in this table.
* Includes allocated production from certain plants using more than one kind of fuel.

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TABLE D - CONSUMPTION OF FUEL OIL[1] BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY

1954

GEOGRAPHIC DIVISION AND STATE	BARRELS													THOUSANDS OF KILOWATT - HOURS PRODUCED*	GALLONS OF OIL PER KILOWATT - HOUR[2]
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL		
United States	8,313,143	5,674,541	6,465,824	4,764,499	4,232,883	4,287,023	4,443,885	4,842,296	4,902,670	5,310,386	5,820,393	7,687,211	66,744,754	31,520,175	0.089
New England	1,784,288	1,488,945	1,405,202	1,218,769	1,167,202	1,252,292	1,235,499	1,407,447	1,184,394	1,216,669	1,121,813	1,279,857	15,762,377	7,340,241	0.090
Middle Atlantic	2,051,209	1,637,180	1,618,193	1,198,076	1,065,424	1,078,041	1,102,337	1,212,837	1,324,452	1,568,595	1,756,141	1,995,637	17,608,122	7,971,018	0.093
East North Central	124,719	94,709	105,854	94,364	90,255	91,350	93,943	96,841	94,496	101,085	103,791	117,352	1,208,759	602,382	0.084
West North Central	450,036	216,622	235,902	173,318	151,942	153,148	188,546	159,761	156,395	148,539	194,923	315,305	2,544,437	1,156,397	0.092
South Atlantic	1,384,386	1,244,875	1,421,169	1,362,529	1,319,913	1,326,242	1,399,026	1,507,546	1,400,101	1,291,719	1,317,792	1,476,439	16,451,737	8,202,012	0.084
East South Central	8,936	2,561	5,186	1,160	1,444	863	2,453	3,027	896	1,040	4,804	11,400	43,770	20,394	0.090
West South Central	58,557	27,625	27,231	24,769	23,772	35,576	62,717	57,205	39,601	24,464	31,352	31,471	444,340	205,470	0.091
Mountain	139,698	103,925	115,284	92,541	91,370	117,557	116,881	111,611	113,719	118,627	112,865	127,823	1,361,901	694,483	0.082
Pacific	2,311,314	858,099	1,531,803	598,973	321,561	231,954	242,483	286,021	588,616	839,648	1,176,912	2,331,927	11,319,311	5,327,778	0.089
New England															
Maine	133,221	112,018	76,092	64,123	50,408	49,367	112,646	132,474	87,323	72,849	82,279	80,777	1,053,577	416,783	0.106
New Hampshire	142,591	113,553	97,189	81,158	72,220	91,384	114,138	136,370	93,799	105,043	89,109	90,913	1,227,467	669,997	0.077
Vermont	26,150	11,544	3,804	2,115	1,715	3,592	7,787	9,606	5,122	4,003	4,679	4,797	84,914	32,949	0.108
Massachusetts	1,003,647	836,656	853,847	763,843	731,152	683,180	581,553	728,027	659,918	738,398	722,330	874,705	9,177,256	4,522,193	0.085
Rhode Island	196,565	142,951	105,787	100,172	94,328	186,449	207,243	205,781	143,664	123,921	74,510	69,987	1,651,358	599,623	0.116
Connecticut	282,114	272,223	268,483	207,358	217,379	238,320	212,132	195,189	194,568	172,455	148,906	158,678	2,567,805	1,098,696	0.098
Middle Atlantic															
New York	1,188,499	861,115	783,884	569,576	432,521	399,494	373,875	560,561	610,834	791,519	993,448	1,124,450	8,689,776	4,061,907	0.090
New Jersey	726,464	650,059	690,930	492,607	492,951	559,545	605,082	527,498	545,969	606,972	612,112	690,947	7,201,136	3,225,916	0.094
Pennsylvania	136,246	126,006	143,379	135,893	139,952	119,002	123,380	124,778	167,649	170,104	150,581	180,240	1,717,210	683,195	0.106
East North Central															
Ohio	15,783	14,589	19,723	16,991	13,186	13,674	11,812	12,517	13,025	14,241	15,522	16,546	177,609	87,276	0.085
Indiana	17,421	14,349	16,003	14,331	15,640	16,570	15,494	17,873	17,672	20,646	19,664	23,388	209,051	101,366	0.087
Illinois	40,204	20,188	23,232	21,090	20,553	20,397	22,270	19,244	16,845	19,362	19,515	22,308	265,208	125,519	0.089
Michigan	40,824	36,667	37,137	34,545	34,661	34,915	38,068	39,803	39,923	39,301	39,924	44,031	459,799	238,257	0.081
Wisconsin	10,487	8,916	9,759	7,407	6,215	5,794	6,299	7,404	7,031	7,535	9,166	11,079	97,092	49,964	0.082
West North Central															
Minnesota	61,233	37,737	41,047	42,105	38,511	35,751	43,223	41,536	38,589	35,475	37,663	42,276	495,146	230,670	0.090
Iowa	59,586	37,400	42,967	39,830	39,087	35,901	38,948	37,816	36,646	38,332	36,844	38,607	481,964	242,141	0.084
Missouri	105,252	59,631	63,557	33,293	31,043	36,769	50,204	33,069	36,068	32,354	42,100	58,940	582,280	255,072	0.096
North Dakota	4,972	3,560	3,157	3,006	2,479	2,767	2,783	2,768	3,317	4,171	3,710	5,263	41,953	18,778	0.094
South Dakota	19,482	13,834	15,426	14,385	13,562	14,126	16,836	15,500	13,752	11,726	13,564	12,162	174,355	86,139	0.085
Nebraska	31,150	11,668	12,120	10,316	10,172	10,680	12,433	11,182	11,411	10,691	12,451	13,977	158,251	68,331	0.097
Kansas	168,361	52,792	57,628	30,383	17,088	17,154	24,119	17,890	16,612	15,790	48,591	144,080	610,488	255,266	0.100
South Atlantic															
Delaware	4,865	5,785	5,078	2,823	2,841	3,926	3,325	3,038	3,434	4,151	5,229	5,708	50,203	24,280	0.087
Maryland	11,238	9,594	10,497	9,608	9,460	7,474	7,221	8,855	10,893	11,849	9,414	10,810	116,913	54,726	0.090
Dist. of Columbia	689	1,383	1,290	1,301	1,281	3,567	2,211	1,336	1,072	1,606	1,085	1,284	18,105	5,479	0.139
Virginia	7,280	5,570	5,175	5,597	7,093	4,135	5,615	7,656	3,457	6,606	6,892	8,016	73,092	37,278	0.082
West Virginia	1,810	882	1,087	1,887	1,706	1,265	1,627	1,375	1,493	2,400	2,375	1,287	19,194	9,627	0.084
North Carolina	13,935	11,014	10,536	13,825	12,607	10,362	13,622	11,281	15,359	10,641	8,385	9,879	141,446	65,876	0.090
South Carolina	20,225	1,547	951	759	532	613	36,729	58,998	26,915	15,178	19,605	16,246	198,298	106,889	0.078
Georgia	44,371	37,542	46,953	49,712	33,027	48,373	46,356	51,299	47,429	41,339	41,197	40,147	527,745	255,948	0.087
Florida	1,279,973	1,171,558	1,339,602	1,277,017	1,251,366	1,246,527	1,282,320	1,363,708	1,290,049	1,197,949	1,223,610	1,383,062	15,306,741	7,641,909	0.084
East South Central															
Kentucky	867	251	325	186	198	320	1,951	2,157	358	468	340	729	8,150	3,349	0.102
Tennessee	1,952	110	113	184	103	137	158	191	198	216	215	167	3,744	1,303	0.121
Alabama	225	118	57	83	85	153	138	574	216	192	248	158	2,247	895	0.105
Mississippi	5,892	2,082	4,691	707	1,058	253	206	105	124	164	4,001	10,346	29,629	14,847	0.084
West South Central															
Arkansas	22,287	4,850	6,497	2,797	2,792	2,783	3,455	4,267	3,667	3,524	11,501	10,011	78,431	39,107	0.084
Louisiana	9,504	10,945	9,464	9,956	9,519	11,667	13,171	13,168	13,145	7,739	6,909	7,421	122,608	56,986	(3) 0.090
Oklahoma	5,293	4,127	4,162	4,144	4,309	5,260	7,974	8,565	6,081	4,068	3,980	4,336	62,299	28,881	0.091
Texas	21,473	7,703	7,108	7,872	7,152	15,866	38,117	31,205	16,708	9,133	8,962	9,703	181,002	80,496	0.094
Mountain															
Montana	23,697	2,503	52	48	14	-	13	3	14	71	77	102	26,594	11,312	0.099
Idaho	57	-	9	4	31	55	38	15	15	39	12	201	476	195	0.103
Wyoming	2,074	1,672	1,785	1,708	1,271	1,235	1,691	2,147	1,976	1,622	1,764	3,992	22,937	9,095	0.106
Colorado	12,718	8,721	14,693	7,473	11,243	12,413	10,890	11,777	12,597	15,004	9,993	10,566	138,088	54,747	0.106
New Mexico	10,001	7,164	7,133	7,966	8,125	8,931	9,653	7,666	7,662	3,996	3,499	4,705	86,501	36,980	0.098
Arizona	2,638	2,439	2,973	2,745	3,046	4,337	4,498	4,176	3,529	2,993	2,995	2,945	39,314	17,318	0.095
Utah	85,789	79,167	86,357	70,669	65,618	88,556	87,693	83,221	85,292	92,264	91,781	102,346	1,018,753	549,604	0.078
Nevada	2,724	2,259	2,282	1,928	2,022	2,030	2,405	2,606	2,634	2,638	2,744	2,966	29,238	15,232	0.081
Pacific															
Washington	2,706	1,371	1,464	710	1,179	636	1,234	1,084	522	1,892	1,367	4,566	(4) 18,731	-106	-
Oregon	758	714	237	68	28	53	-	365	347	119	80	872	(4) 3,641	672	-
California	2,307,850	856,014	1,530,102	598,195	320,354	231,265	241,249	284,572	587,747	837,637	1,175,465	2,326,489	11,296,939	5,327,212	0.089

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1. Includes small amounts of tar and other liquid fuels.
* Includes allocated production from certain plants using more than one kind of fuel.
2. Based on 42 gallons per barrel. The United States average production per barrel was 472 kilowatt-hours.
3. Reflects allocation of fuel to production of steam for other uses.
4. Consumption largely for standby or other irregular operations.

TABLE E - CONSUMPTION OF GAS BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY
1954

GEOGRAPHIC DIVISION AND STATE	THOUSANDS OF CUBIC FEET													THOUSANDS OF KILOWATT - HOURS PRODUCED*	CUBIC FEET PER KILOWATT - HOUR
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL		
United States	67,416,929	76,085,644	78,236,472	91,548,938	94,620,312	108,310,458	128,355,815	130,511,517	118,567,371	108,596,810	88,396,946	74,851,148	1,165,498,360	93,688,271	12.4
New England	25,140	135,257	318,480	349,708	381,256	430,696	638,489	738,175	783,713	832,145	867,017	441,378	5,941,454	414,421	14.3
Middle Atlantic	798,434	2,349,378	2,541,207	6,484,845	7,457,495	8,064,382	9,060,174	8,789,285	6,826,575	5,941,666	1,689,044	503,821	60,506,306	5,538,293	10.9
East North Central	2,420,999	4,921,094	4,637,002	7,745,860	7,209,932	8,610,484	10,030,151	9,577,112	9,247,502	7,240,410	5,144,923	2,532,229	79,317,698	6,515,853	12.2
West North Central	9,219,963	12,630,545	12,354,750	14,150,585	14,786,925	16,511,960	19,739,219	19,568,572	18,148,748	16,915,262	14,898,347	12,528,311	181,453,187	12,914,714	14.1
South Atlantic	4,757,087	4,971,773	5,113,347	6,071,298	6,216,795	4,382,521	4,993,305	6,966,101	7,178,813	6,540,455	3,932,236	3,781,194	64,904,925	5,212,711	12.5
East South Central	4,658,560	5,467,200	5,697,836	6,638,555	6,868,791	7,393,033	8,024,590	7,430,521	6,878,603	6,730,509	5,684,403	4,921,980	76,394,581	6,139,329	12.4
West South Central	32,171,480	29,217,182	31,732,932	32,393,332	31,967,456	38,464,477	46,073,396	47,561,871	42,816,196	37,563,974	33,167,256	33,653,742	436,783,294	35,889,483	12.2
Mountain	5,444,057	5,439,126	5,632,948	6,443,688	6,256,028	6,823,162	8,238,778	8,053,781	7,480,890	7,452,271	7,462,741	6,718,031	81,445,501	5,766,715	14.1
Pacific	7,921,209	10,954,089	10,207,970	11,271,067	13,475,634	17,629,743	21,557,713	21,826,099	19,206,331	19,380,118	15,550,979	9,770,462	178,751,414	15,296,752	11.7
New England															
Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	25,140	135,257	318,480	349,708	381,256	430,696	638,489	738,175	783,713	832,145	867,017	436,195	5,936,271	414,323	14.3
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	5,183	(2) 5,183	98	-
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic															
New York	606,523	1,244,533	1,570,760	2,560,374	3,257,447	3,654,267	4,496,807	4,225,649	3,457,898	2,903,759	1,380,654	389,654	29,748,325	2,842,803	10.5
New Jersey	119,345	663,844	537,864	1,921,232	2,248,817	2,314,397	2,391,022	2,399,814	1,286,246	1,166,284	180,486	63,281	15,292,632	1,385,101	11.0
Pennsylvania	72,566	441,001	432,583	2,003,239	1,951,231	2,095,718	2,172,345	2,163,822	2,082,431	1,871,623	127,904	50,886	15,465,349	1,310,389	11.8
East North Central															
Ohio	67,979	74,789	165,014	228,492	246,439	239,345	199,920	174,663	180,098	149,669	215,163	185,119	2,126,690	118,244	18.0
Indiana	54,717	206,169	131,901	705,751	593,629	428,150	590,050	667,695	432,755	334,393	134,818	62,979	4,343,007	367,208	11.8
Illinois	2,235,750	4,585,345	4,279,256	6,750,791	6,312,600	7,885,999	9,189,197	8,684,602	8,588,347	6,709,053	4,750,636	2,246,294	72,217,870	5,971,402	12.1
Michigan	34,810	30,927	35,612	32,224	29,455	36,465	42,627	41,984	37,638	37,982	35,189	30,649	425,562	46,637	9.1
Wisconsin	27,743	23,864	25,219	28,602	27,809	20,525	8,357	8,168	8,664	9,313	9,117	7,188	204,569	12,362	16.5
West North Central															
Minnesota	1,669,463	2,558,679	1,899,619	2,439,140	2,437,096	2,540,896	2,963,307	3,123,497	2,957,588	2,770,743	2,721,155	2,316,473	30,397,656	2,140,566	14.2
Iowa	1,961,187	2,870,393	2,891,033	3,356.121	3,246,285	3,584,575	3,787,671	3,793,684	3,641,161	3,625,248	3,598,942	3,139,003	39,495,303	2,745,064	14.4
Missouri	707,770	1,009,115	1,174,606	1,597,424	2,178,168	2,633,244	3,532,129	3,640,029	3,141,432	2,536,594	1,653,891	1,030,807	24,835,209	1,760,377	14.1
North Dakota	16,767	16,921	16,025	14.825	14,390	16,874	18,335	17,301	19,955	16,367	18,656	21,457	207,873	5,363	38.8
South Dakota	198,729	376,088	400,118	370,842	387,098	379,896	358,582	373,226	364,789	392,137	371,514	348,552	4,321,571	308,465	14.0
Nebraska	1,287,156	1,910,212	1,770,578	1,791,251	1,674,066	1,760,319	2,381,557	2,095,656	2,035,637	2,112,040	1,851,681	1,862,783	22,532,936	1,765,703	12.8
Kansas	3,378,891	3,889,137	4,202,771	4,580,982	4,849,822	5,596,156	6,697,638	6,525,179	5,988,186	5,462,133	4,682,508	3,809,236	59,662,639	4,189,176	14.2
South Atlantic															
Delaware	-	-	-	-	-	23,517	234,082	253,845	210,001	166,885	106,954	61,430	1,056,714	95,767	11.0
Maryland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	19,520	27,054	39,865	67,673	69,839	78,036	87,003	91,527	88,897	67,477	25,324	13,784	675,999	48,412	14.0
West Virginia	8,324	8,275	8,510	6,696	5,917	7,707	6,891	92,320	116,050	137,836	127,799	120,345	646,670	49,843	13.0
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	566,129	372,458	687,092	1,132,121	1,193,562	1,260,797	1,148,254	1,062,090	1,005,562	865,365	759,810	823,712	10,876,952	955,034	11.4
Georgia	3,444,916	3,879,876	3,651,947	4,117,014	4,360,005	2,392,829	2,730,986	4,628,377	4,950,930	4,486,165	2,390,518	2,238,911	43,272,474	3,405,429	12.7
Florida	718,198	684,110	725,933	747,794	587,472	619,635	786,089	837,942	807,373	816,727	521,831	523,012	8,376,116	658,226	12.7
East South Central															
Kentucky	534,665	1,179,260	599,128	1,336,675	941,630	895,529	1,135,875	830,717	599,689	784,164	253,221	112,343	9,202,896	692,132	13.3
Tennessee	501,292	594,024	665,210	648,029	730,737	714,497	774,955	786,523	717,038	742,881	689,249	611,489	8,175,924	438,233	18.7
Alabama	1,120,780	1,467,043	1,671,588	1,804,033	2,241,366	1,956,537	1,994,225	2,146,305	2,107,971	2,047,735	1,796,200	1,493,084	21,846,867	1,862,747	11.7
Mississippi	2,501,823	2,226,873	2,761,910	2,849,818	2,955,058	3,826,470	4,119,535	3,666,976	3,453,905	3,155,729	2,945,733	2,705,064	37,168,894	3,146,217	11.8
West South Central															
Arkansas	3,291,558	3,069,791	3,051,237	3,314,785	3,540,617	3,724,817	4,400,700	5,218,787	4,791,627	4,606,206	4,119,760	4,015,693	47,145,578	4,280,984	11.0
Louisiana	5,304,639	4,915,690	5,538,652	5,114,256	5,304,643	6,384,429	7,318,344	7,268,231	6,594,337	5,588,342	5,123,030	5,207,264	69,661,857	6,204,297	11.2
Oklahoma	4,654,718	4,020,057	4,500,167	4,269,161	4,165,486	5,299,404	7,157,608	7,265,652	6,200,108	5,417,404	4,903,293	4,971,708	62,824,766	4,646,453	13.5
Texas	18,920,565	17,211,644	18,642,876	19,695,130	18,956,710	23,055,827	27,196,744	27,809,201	25,230,124	21,952,022	19,021,173	19,459,077	257,151,093	20,757,749	12.4
Mountain															
Montana	99,374	68,459	46,166	40,269	39,779	39,409	39,699	45,078	43,490	46,261	43,275	52,372	(1) 603,631	17,099	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	57,104	55,247	50,168	47,507	20,096	20,056	35,144	86,158	80,939	83,486	73,366	65,330	(1) 674,601	24,624	-
Colorado	2,346,066	2,578,566	2,186,839	2,854,604	2,805,018	2,954,905	3,247,257	3,366,818	2,999,490	3,067,940	3,155,554	2,355,338	33,918,395	1,959,374	17.3
New Mexico	1,548,639	1,394,229	1,563,454	1,604,435	1,654,550	1,860,701	2,141,437	2,031,522	1,784,784	1,739,226	1,630,682	1,705,524	20,659,183	1,527,650	13.5
Arizona	876,271	891,694	1,287,053	1,406,824	1,413,829	1,798,749	2,157,467	1,995,993	2,123,127	1,857,218	1,793,746	1,714,455	19,316,426	1,733,532	11.1
Utah	516,603	450,931	499,268	490,049	322,756	149,302	617,746	528,212	449,060	658,137	766,098	824,992	6,273,154	504,433	12.4
Nevada	-	-	-	-	-	40	28	-	-	3	20	20	(2) 111	3	-
Pacific															
Washington	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
California	7,921,209	10,954,089	10,207,970	11,271,067	13,475,634	17,629,743	21,557,713	21,826,099	19,206,331	19,380,118	15,550,979	9,770,462	178,751,414	15,296,752	11.7

* Includes allocated production from certain plants using more than one kind of fuel.
1. Includes fuel for production of steam for other uses.
2. Consumption largely for standby or other irregular operations.